284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

DATA PACKAGE

SEMI-VOLATILE ORGANICS

PROJECT NAME : RAYMARK SUPERFUND SITE

NOBIS GROUP

585 Middlesex Street

Lowell, MA - 01851

Phone No: 978-683-0891

ORDER ID : Q2879

ATTENTION : Adam Roy

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q2879

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
Q2879-01	OU4-TS-GRILLO-TSCP03-081425
Q2879-02	OU4-TS-GRILLO-TSCP03-081425
Q2879-03	OU4-TS-GRILLO-TSCP04-081425
Q2879-04	OU4-TS-GRILLO-TSCP04-081425
Q2879-05	OU4-TS-GRILLO-TSCP05-081425
Q2879-06	OU4-TS-GRILLO-TSCP05-081425
Q2879-07	OU4-TS-GRILLO-TSCP06-081425
Q2879-08	OU4-TS-GRILLO-TSCP06-081425
Q2879-09	OU4-TS-GRILLO-TSCP07-081425
Q2879-10	OU4-TS-GRILLO-TSCP07-081425
Q2879-11	OU4-TS-GRILLO-TSCP08-081425
Q2879-12	OU4-TS-GRILLO-TSCP08-081425
Q2879-13	OU4-TS-GRILLO-TSCP09-081425
Q2879-14	OU4-TS-GRILLO-TSCP09-081425
Q2879-15	OU4-TS-GRILLO-TSCP10-081425
Q2879-16	OU4-TS-GRILLO-TSCP10-081425
Q2879-17	OU4-TS-GRILLO-TSCP11-081425
Q2879-18	OU4-TS-GRILLO-TSCP11-081425

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 8/28/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Nobis Group
Project Name: Raymark Superfund Site
Project # N/A
Order ID # Q2879
Test Name: SVOCMS Group3

A. Number of Samples and Date of Receipt:
9 Solid samples were received on 08/15/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOCMS Group3. This data package contains results for SVOCMS Group3.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df, Catalog # 7HG-G027-17-GGA. The analysis of SVOCMS Group3 was based on method 8270E and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries were met for all analysis except for,
DRILL CUTTING 1-3 COMPMS [Terphenyl-d14 - 46%],
DRILL CUTTING 1-3 COMPMSD [Terphenyl-d14 - 50%],
OU4-TS-GRILLO-TSCP03-081425 [Terphenyl-d14 - 38%],
OU4-TS-GRILLO-TSCP04-081425 [Terphenyl-d14 - 40%],
OU4-TS-GRILLO-TSCP05-081425 [Terphenyl-d14 - 42%],
OU4-TS-GRILLO-TSCP06-081425 [Terphenyl-d14 - 44%],
OU4-TS-GRILLO-TSCP07-081425 [Terphenyl-d14 - 47%],
OU4-TS-GRILLO-TSCP08-081425 [Terphenyl-d14 - 42%],
OU4-TS-GRILLO-TSCP10-081425 [Terphenyl-d14 - 48%]. One base surrogate is allowed to fail as per SOP, Therefor no further corrective action was taken.

And,

OU4-TS-GRILLO-TSCP09-081425 [2-Fluorobiphenyl - 40%, Nitrobenzene-d5 - 36%, Terphenyl-d14 - 32%], Surrogates are failed due to matrix interference. The Chromatogram also indicated presence of the non target hydro carbons. Therefore, it was not re-analyzed.

The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.

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The MS recoveries met the requirements for all compounds.
The MSD recoveries met the requirements for all compounds.
The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.

The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

E. Additional Comments:
As per special requirement for this project form-1 are reported in mg/kg.
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
The not QT review data is reported in the Miscellaneous.
The soil samples results are based on a dry weight basis.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2879 MATRIX: Solid

METHOD: 8270E/3541

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements.			✓
	The Initial Calibration met the requirements. The Continuous Calibration met the requirements.			
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	

GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

(CONTINUED)

		NA	NO	YES
7.	Surrogate Recoveries Meet Criteria		✓	

If not met, list those compounds and their recoveries which fall outside the acceptable ranges.

The Surrogate recoveries were met for all analysis except for,
DRILL CUTTING 1-3 COMPMS [Terphenyl-d14 - 46%],
DRILL CUTTING 1-3 COMPMSD [Terphenyl-d14 - 50%],
OU4-TS-GRILLO-TSCP03-081425 [Terphenyl-d14 - 38%],
OU4-TS-GRILLO-TSCP04-081425 [Terphenyl-d14 - 40%],
OU4-TS-GRILLO-TSCP05-081425 [Terphenyl-d14 - 42%],
OU4-TS-GRILLO-TSCP06-081425 [Terphenyl-d14 - 44%],
OU4-TS-GRILLO-TSCP07-081425 [Terphenyl-d14 - 47%],
OU4-TS-GRILLO-TSCP08-081425 [Terphenyl-d14 - 42%],
OU4-TS-GRILLO-TSCP10-081425 [Terphenyl-d14 - 48%]. one base surrogate is allowed to fail as per SOP, Therefor no further corrective action was taken.

And,

OU4-TS-GRILLO-TSCP09-081425 [2-Fluorobiphenyl - 40%, Nitrobenzene-d5 - 36%, Terphenyl-d14 - 32%], Surrogates are failed due to matrix interference. The Chromatogram also indicated presence of the non target hydro carbons. Therefore, it was not re-analyzed.

8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria			✓

If not met, list those compounds and their recoveries which fall outside the acceptable range.

The Blank Spike met requirements for all compounds.

9.	Internal Standard Area/Retention Time Shift Meet Criteria			✓

Comments:

10.	Extraction Holding Time Met			✓

If not met, list number of days exceeded for each sample:

11.	Analysis Holding Time Met			✓

If not met, list number of days exceeded for each sample:

GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

ADDITIONAL COMMENTS:

As per special requirement for this project form-1 are reported in mg/kg.

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

The not QT review data is reported in the Miscellaneous.

The soil samples results are based on a dry weight basis.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

_____ _____

QA REVIEW Date

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2879

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: SOHIL JODHANI **Date:** 08/28/2025

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LAB CHRONICLE

OrderID:	Q2879	**OrderDate:**	8/15/2025 9:15:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	J23,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2879-01	**OU4-TS-GRILLO-TSCP 03-081425**	**SOIL**			**08/14/25**			**08/15/25**
			SVOCMS Group3	8270E		08/18/25	08/19/25	
Q2879-03	**OU4-TS-GRILLO-TSCP 04-081425**	**SOIL**			**08/14/25**			**08/15/25**
			SVOCMS Group3	8270E		08/18/25	08/19/25	
Q2879-05	**OU4-TS-GRILLO-TSCP 05-081425**	**SOIL**			**08/14/25**			**08/15/25**
			SVOCMS Group3	8270E		08/18/25	08/19/25	
Q2879-07	**OU4-TS-GRILLO-TSCP 06-081425**	**SOIL**			**08/14/25**			**08/15/25**
			SVOCMS Group3	8270E		08/18/25	08/19/25	
Q2879-09	**OU4-TS-GRILLO-TSCP 07-081425**	**SOIL**			**08/14/25**			**08/15/25**
			SVOCMS Group3	8270E		08/18/25	08/19/25	
Q2879-11	**OU4-TS-GRILLO-TSCP 08-081425**	**SOIL**			**08/14/25**			**08/15/25**
			SVOCMS Group3	8270E		08/18/25	08/19/25	
Q2879-13	**OU4-TS-GRILLO-TSCP 09-081425**	**SOIL**			**08/14/25**			**08/15/25**
			SVOCMS Group3	8270E		08/18/25	08/19/25	
Q2879-15	**OU4-TS-GRILLO-TSCP 10-081425**	**SOIL**			**08/14/25**			**08/15/25**
			SVOCMS Group3	8270E		08/18/25	08/19/25	
Q2879-17	**OU4-TS-GRILLO-TSCP 11-081425**	**SOIL**			**08/14/25**			**08/15/25**
			SVOCMS Group3	8270E		08/18/25	08/19/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2879

Client: Nobis Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :	**OU4-TS-GRILLO-TSCP03-081425**								
Q2879-01	OU4-TS-GRILLO-TSCP(	SOIL	Phenanthrene	0.095	J	0.023	0.15	0.19	mg/Kg
Q2879-01	OU4-TS-GRILLO-TSCP(	SOIL	Fluoranthene	0.440		0.034	0.15	0.19	mg/Kg
Q2879-01	OU4-TS-GRILLO-TSCP(	SOIL	Pyrene	0.170	J	0.040	0.15	0.19	mg/Kg
Q2879-01	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(a)anthracene	0.180	J	0.026	0.15	0.19	mg/Kg
Q2879-01	OU4-TS-GRILLO-TSCP(	SOIL	Chrysene	0.190		0.022	0.15	0.19	mg/Kg
Q2879-01	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(b)fluoranthene	0.340		0.021	0.15	0.19	mg/Kg
Q2879-01	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(k)fluoranthene	0.120	J	0.025	0.15	0.19	mg/Kg
Q2879-01	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(a)pyrene	0.200		0.033	0.15	0.19	mg/Kg
Q2879-01	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(g,h,i)perylene	0.085	J	0.029	0.15	0.19	mg/Kg
			Total Svoc :	**1.82**					
			Total Concentration:	**1.82**					
Client ID :	**OU4-TS-GRILLO-TSCP04-081425**								
Q2879-03	OU4-TS-GRILLO-TSCP(	SOIL	Phenanthrene	0.330		0.024	0.15	0.19	mg/Kg
Q2879-03	OU4-TS-GRILLO-TSCP(	SOIL	Fluoranthene	0.650		0.034	0.15	0.19	mg/Kg
Q2879-03	OU4-TS-GRILLO-TSCP(	SOIL	Pyrene	0.340		0.041	0.15	0.19	mg/Kg
Q2879-03	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(a)anthracene	0.360		0.026	0.15	0.19	mg/Kg
Q2879-03	OU4-TS-GRILLO-TSCP(	SOIL	Chrysene	0.410		0.023	0.15	0.19	mg/Kg
Q2879-03	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(b)fluoranthene	0.660		0.022	0.15	0.19	mg/Kg
Q2879-03	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(k)fluoranthene	0.240		0.026	0.15	0.19	mg/Kg
Q2879-03	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(a)pyrene	0.360		0.034	0.15	0.19	mg/Kg
Q2879-03	OU4-TS-GRILLO-TSCP(	SOIL	Indeno(1,2,3-cd)pyrene	0.140	J	0.033	0.15	0.19	mg/Kg
Q2879-03	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(g,h,i)perylene	0.160	J	0.030	0.15	0.19	mg/Kg
			Total Svoc :	**3.65**					
			Total Concentration:	**3.65**					
Client ID :	**OU4-TS-GRILLO-TSCP05-081425**								
Q2879-05	OU4-TS-GRILLO-TSCP(	SOIL	Phenanthrene	0.240		0.022	0.14	0.18	mg/Kg
Q2879-05	OU4-TS-GRILLO-TSCP(	SOIL	Fluoranthene	0.700		0.032	0.14	0.18	mg/Kg
Q2879-05	OU4-TS-GRILLO-TSCP(	SOIL	Pyrene	0.320		0.039	0.14	0.18	mg/Kg
Q2879-05	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(a)anthracene	0.250		0.025	0.14	0.18	mg/Kg
Q2879-05	OU4-TS-GRILLO-TSCP(	SOIL	Chrysene	0.260		0.021	0.14	0.18	mg/Kg
Q2879-05	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(b)fluoranthene	0.390		0.020	0.14	0.18	mg/Kg
Q2879-05	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(k)fluoranthene	0.150	J	0.024	0.14	0.18	mg/Kg
Q2879-05	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(a)pyrene	0.240		0.032	0.14	0.18	mg/Kg
Q2879-05	OU4-TS-GRILLO-TSCP(	SOIL	Indeno(1,2,3-cd)pyrene	0.089	J	0.031	0.14	0.18	mg/Kg
Q2879-05	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(g,h,i)perylene	0.120	J	0.028	0.14	0.18	mg/Kg
			Total Svoc :	**2.76**					

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Hit Summary Sheet
SW-846

SDG No.: Q2879

Client: Nobis Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
			Total Concentration:	**2.76**					
Client ID :	**OU4-TS-GRILLO-TSCP06-081425**								
Q2879-07	OU4-TS-GRILLO-TSCP(	SOIL	Phenanthrene	0.230		0.023	0.14	0.19	mg/Kg
Q2879-07	OU4-TS-GRILLO-TSCP(	SOIL	Fluoranthene	0.700		0.033	0.14	0.19	mg/Kg
Q2879-07	OU4-TS-GRILLO-TSCP(	SOIL	Pyrene	0.280		0.040	0.14	0.19	mg/Kg
Q2879-07	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(a)anthracene	0.240		0.025	0.14	0.19	mg/Kg
Q2879-07	OU4-TS-GRILLO-TSCP(	SOIL	Chrysene	0.230		0.022	0.14	0.19	mg/Kg
Q2879-07	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(b)fluoranthene	0.440		0.021	0.14	0.19	mg/Kg
Q2879-07	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(k)fluoranthene	0.120	J	0.025	0.14	0.19	mg/Kg
Q2879-07	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(a)pyrene	0.240		0.033	0.14	0.19	mg/Kg
Q2879-07	OU4-TS-GRILLO-TSCP(	SOIL	Indeno(1,2,3-cd)pyrene	0.100	J	0.032	0.14	0.19	mg/Kg
Q2879-07	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(g,h,i)perylene	0.130	J	0.028	0.14	0.19	mg/Kg
			Total Svoc :	**2.71**					
			Total Concentration:	**2.71**					
Client ID :	**OU4-TS-GRILLO-TSCP07-081425**								
Q2879-09	OU4-TS-GRILLO-TSCP(	SOIL	Phenanthrene	0.110	J	0.022	0.14	0.18	mg/Kg
Q2879-09	OU4-TS-GRILLO-TSCP(	SOIL	Fluoranthene	0.380		0.032	0.14	0.18	mg/Kg
Q2879-09	OU4-TS-GRILLO-TSCP(	SOIL	Pyrene	0.190		0.039	0.14	0.18	mg/Kg
Q2879-09	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(a)anthracene	0.140	J	0.025	0.14	0.18	mg/Kg
Q2879-09	OU4-TS-GRILLO-TSCP(	SOIL	Chrysene	0.170	J	0.021	0.14	0.18	mg/Kg
Q2879-09	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(b)fluoranthene	0.290		0.020	0.14	0.18	mg/Kg
Q2879-09	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(k)fluoranthene	0.080	J	0.024	0.14	0.18	mg/Kg
Q2879-09	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(a)pyrene	0.160	J	0.032	0.14	0.18	mg/Kg
Q2879-09	OU4-TS-GRILLO-TSCP(	SOIL	Indeno(1,2,3-cd)pyrene	0.080	J	0.031	0.14	0.18	mg/Kg
Q2879-09	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(g,h,i)perylene	0.100	J	0.028	0.14	0.18	mg/Kg
			Total Svoc :	**1.70**					
			Total Concentration:	**1.70**					
Client ID :	**OU4-TS-GRILLO-TSCP08-081425**								
Q2879-11	OU4-TS-GRILLO-TSCP(	SOIL	Phenanthrene	0.100	J	0.023	0.14	0.19	mg/Kg
Q2879-11	OU4-TS-GRILLO-TSCP(	SOIL	Fluoranthene	0.380		0.033	0.14	0.19	mg/Kg
Q2879-11	OU4-TS-GRILLO-TSCP(	SOIL	Pyrene	0.190		0.039	0.14	0.19	mg/Kg
Q2879-11	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(a)anthracene	0.150	J	0.025	0.14	0.19	mg/Kg
Q2879-11	OU4-TS-GRILLO-TSCP(	SOIL	Chrysene	0.150	J	0.022	0.14	0.19	mg/Kg
Q2879-11	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(b)fluoranthene	0.270		0.021	0.14	0.19	mg/Kg
Q2879-11	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(k)fluoranthene	0.084	J	0.025	0.14	0.19	mg/Kg
Q2879-11	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(a)pyrene	0.150	J	0.032	0.14	0.19	mg/Kg
Q2879-11	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(g,h,i)perylene	0.093	J	0.028	0.14	0.19	mg/Kg
			Total Svoc :	**1.57**					

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Hit Summary Sheet
SW-846

SDG No.: Q2879

Client: Nobis Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
			Total Concentration:	**1.57**					
Client ID :	**OU4-TS-GRILLO-TSCP09-081425**								
Q2879-13	OU4-TS-GRILLO-TSCP(	SOIL	Fluoranthene	0.270		0.032	0.14	0.18	mg/Kg
Q2879-13	OU4-TS-GRILLO-TSCP(	SOIL	Pyrene	0.140	J	0.039	0.14	0.18	mg/Kg
Q2879-13	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(a)anthracene	0.140	J	0.025	0.14	0.18	mg/Kg
Q2879-13	OU4-TS-GRILLO-TSCP(	SOIL	Chrysene	0.130	J	0.021	0.14	0.18	mg/Kg
Q2879-13	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(b)fluoranthene	0.230		0.020	0.14	0.18	mg/Kg
Q2879-13	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(k)fluoranthene	0.074	J	0.024	0.14	0.18	mg/Kg
Q2879-13	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(a)pyrene	0.140	J	0.032	0.14	0.18	mg/Kg
Q2879-13	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(g,h,i)perylene	0.080	J	0.028	0.14	0.18	mg/Kg
			Total Svoc :	**1.20**					
			Total Concentration:	**1.20**					
Client ID :	**OU4-TS-GRILLO-TSCP10-081425**								
Q2879-15	OU4-TS-GRILLO-TSCP	SOIL	Phenanthrene	0.091	J	0.023	0.14	0.19	mg/Kg
Q2879-15	OU4-TS-GRILLO-TSCP	SOIL	Fluoranthene	0.340		0.033	0.14	0.19	mg/Kg
Q2879-15	OU4-TS-GRILLO-TSCP	SOIL	Pyrene	0.190		0.039	0.14	0.19	mg/Kg
Q2879-15	OU4-TS-GRILLO-TSCP	SOIL	Benzo(a)anthracene	0.140	J	0.025	0.14	0.19	mg/Kg
Q2879-15	OU4-TS-GRILLO-TSCP	SOIL	Chrysene	0.140	J	0.022	0.14	0.19	mg/Kg
Q2879-15	OU4-TS-GRILLO-TSCP	SOIL	Benzo(b)fluoranthene	0.230		0.021	0.14	0.19	mg/Kg
Q2879-15	OU4-TS-GRILLO-TSCP	SOIL	Benzo(k)fluoranthene	0.082	J	0.025	0.14	0.19	mg/Kg
Q2879-15	OU4-TS-GRILLO-TSCP	SOIL	Benzo(a)pyrene	0.140	J	0.032	0.14	0.19	mg/Kg
Q2879-15	OU4-TS-GRILLO-TSCP	SOIL	Benzo(g,h,i)perylene	0.089	J	0.028	0.14	0.19	mg/Kg
			Total Svoc :	**1.44**					
			Total Concentration:	**1.44**					
Client ID :	**OU4-TS-GRILLO-TSCP11-081425**								
Q2879-17	OU4-TS-GRILLO-TSCP	SOIL	Phenanthrene	0.130	J	0.027	0.17	0.22	mg/Kg
Q2879-17	OU4-TS-GRILLO-TSCP	SOIL	Fluoranthene	0.430		0.039	0.17	0.22	mg/Kg
Q2879-17	OU4-TS-GRILLO-TSCP	SOIL	Pyrene	0.250		0.047	0.17	0.22	mg/Kg
Q2879-17	OU4-TS-GRILLO-TSCP	SOIL	Benzo(a)anthracene	0.170	J	0.030	0.17	0.22	mg/Kg
Q2879-17	OU4-TS-GRILLO-TSCP	SOIL	Chrysene	0.170	J	0.026	0.17	0.22	mg/Kg
Q2879-17	OU4-TS-GRILLO-TSCP	SOIL	Benzo(b)fluoranthene	0.280		0.025	0.17	0.22	mg/Kg
Q2879-17	OU4-TS-GRILLO-TSCP	SOIL	Benzo(k)fluoranthene	0.100	J	0.029	0.17	0.22	mg/Kg
Q2879-17	OU4-TS-GRILLO-TSCP	SOIL	Benzo(a)pyrene	0.170	J	0.038	0.17	0.22	mg/Kg
Q2879-17	OU4-TS-GRILLO-TSCP	SOIL	Benzo(g,h,i)perylene	0.100	J	0.033	0.17	0.22	mg/Kg
			Total Svoc :	**1.80**					
			Total Concentration:	**1.80**					

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q2879

Client: Nobis Group

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB169285BL	PB169285BL	Nitrobenzene-d5	100	95.6	96		37	122
		2-Fluorobiphenyl	100	89.8	90		44	115
		Terphenyl-d14	100	98.7	99		54	127
PB169285BS	PB169285BS	Nitrobenzene-d5	100	91.4	91		37	122
		2-Fluorobiphenyl	100	86.6	87		44	115
		Terphenyl-d14	100	91.2	91		54	127
Q2873-01MS	DRILL CUTTING 1-3 COMPMS	Nitrobenzene-d5	100	64.2	64		37	122
		2-Fluorobiphenyl	100	67.6	68		44	115
		Terphenyl-d14	100	45.8	46	*	54	127
Q2873-01MSD	DRILL CUTTING 1-3 COMPMSD	Nitrobenzene-d5	100	64.9	65		37	122
		2-Fluorobiphenyl	100	63.7	64		44	115
		Terphenyl-d14	100	49.6	50	*	54	127
Q2879-01	OU4-TS-GRILLO-TSCP03-081425	Nitrobenzene-d5	100	64.4	64		37	122
		2-Fluorobiphenyl	100	67.5	67		44	115
		Terphenyl-d14	100	38.4	38	*	54	127
Q2879-03	OU4-TS-GRILLO-TSCP04-081425	Nitrobenzene-d5	100	69.9	70		37	122
		2-Fluorobiphenyl	100	71.3	71		44	115
		Terphenyl-d14	100	40.4	40	*	54	127
Q2879-05	OU4-TS-GRILLO-TSCP05-081425	Nitrobenzene-d5	100	59.1	59		37	122
		2-Fluorobiphenyl	100	60.6	61		44	115
		Terphenyl-d14	100	41.9	42	*	54	127
Q2879-07	OU4-TS-GRILLO-TSCP06-081425	Nitrobenzene-d5	100	67.5	68		37	122
		2-Fluorobiphenyl	100	67.4	67		44	115
		Terphenyl-d14	100	43.6	44	*	54	127
Q2879-09	OU4-TS-GRILLO-TSCP07-081425	Nitrobenzene-d5	100	61.4	61		37	122
		2-Fluorobiphenyl	100	60.1	60		44	115
		Terphenyl-d14	100	46.6	47	*	54	127
Q2879-11	OU4-TS-GRILLO-TSCP08-081425	Nitrobenzene-d5	100	49.5	49		37	122
		2-Fluorobiphenyl	100	50.3	50		44	115
		Terphenyl-d14	100	41.7	42	*	54	127
Q2879-13	OU4-TS-GRILLO-TSCP09-081425	Nitrobenzene-d5	100	36.2	36	*	37	122
		2-Fluorobiphenyl	100	40.2	40	*	44	115
		Terphenyl-d14	100	31.7	32	*	54	127
Q2879-15	OU4-TS-GRILLO-TSCP10-081425	Nitrobenzene-d5	100	56.2	56		37	122
		2-Fluorobiphenyl	100	54.7	55		44	115
		Terphenyl-d14	100	48.2	48	*	54	127
Q2879-17	OU4-TS-GRILLO-TSCP11-081425	Nitrobenzene-d5	100	64.8	65		37	122
		2-Fluorobiphenyl	100	63.2	63		44	115
		Terphenyl-d14	100	55.3	55		54	127

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2879 **Analytical Method:** SW8270E

Client: Nobis Group **DataFile:** BF143449.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: Q2873-01MS		**Client Sample ID: DRILL CUTTING 1-3 COMPMS**									
Naphthalene	1200	0	1100	ug/Kg	92				35	123	
2-Methylnaphthalene	1200	0	1000	ug/Kg	83				38	122	
Acenaphthylene	1200	0	1200	ug/Kg	100				32	132	
Acenaphthene	1200	0	1100	ug/Kg	92				40	123	
Fluorene	1200	0	1000	ug/Kg	83				43	125	
Phenanthrene	1200	0	1100	ug/Kg	92				50	121	
Anthracene	1200	0	1100	ug/Kg	92				47	123	
Fluoranthene	1200	0	1000	ug/Kg	83				50	127	
Pyrene	1200	0	760	ug/Kg	63				47	127	
Benzo(a)anthracene	1200	0	1100	ug/Kg	92				49	126	
Chrysene	1200	0	1100	ug/Kg	92				50	124	
Benzo(b)fluoranthene	1200	0	1300	ug/Kg	108				45	132	
Benzo(k)fluoranthene	1200	0	1000	ug/Kg	83				47	132	
Benzo(a)pyrene	1200	0	1200	ug/Kg	100				45	129	
Indeno(1,2,3-cd)pyrene	1200	0	770	ug/Kg	64				45	133	
Dibenz(a,h)anthracene	1200	0	780	ug/Kg	65				45	134	
Benzo(g,h,i)perylene	1200	0	730	ug/Kg	61				43	134	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2879 **Analytical Method:** SW8270E

Client: Nobis Group **DataFile:** BF143450.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2873-01MSD		**Client Sample ID: DRILL CUTTING 1-3 COMPMSD**									
Naphthalene	1200	0	1100	ug/Kg	92		0		35	123	20
2-Methylnaphthalene	1200	0	1000	ug/Kg	83		0		38	122	20
Acenaphthylene	1200	0	1200	ug/Kg	100		0		32	132	20
Acenaphthene	1200	0	1100	ug/Kg	92		0		40	123	20
Fluorene	1200	0	960	ug/Kg	80		4		43	125	20
Phenanthrene	1200	0	1100	ug/Kg	92		0		50	121	20
Anthracene	1200	0	1100	ug/Kg	92		0		47	123	20
Fluoranthene	1200	0	1000	ug/Kg	83		0		50	127	20
Pyrene	1200	0	820	ug/Kg	68		8		47	127	20
Benzo(a)anthracene	1200	0	1100	ug/Kg	92		0		49	126	20
Chrysene	1200	0	1100	ug/Kg	92		0		50	124	20
Benzo(b)fluoranthene	1200	0	1300	ug/Kg	108		0		45	132	20
Benzo(k)fluoranthene	1200	0	1100	ug/Kg	92		10		47	132	20
Benzo(a)pyrene	1200	0	1200	ug/Kg	100		0		45	129	20
Indeno(1,2,3-cd)pyrene	1200	0	760	ug/Kg	63		2		45	133	20
Dibenz(a,h)anthracene	1200	0	770	ug/Kg	64		2		45	134	20
Benzo(g,h,i)perylene	1200	0	720	ug/Kg	60		2		43	134	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2879 **Analytical Method:** 8270E

Client: Nobis Group **DataFile:** BF143447.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB169285BS	Naphthalene	1700	1500	ug/Kg	88				35	123	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				38	122	
	Acenaphthylene	1700	1700	ug/Kg	100				32	132	
	Acenaphthene	1700	1700	ug/Kg	100				40	123	
	Fluorene	1700	1600	ug/Kg	94				43	125	
	Phenanthrene	1700	1500	ug/Kg	88				50	121	
	Anthracene	1700	1500	ug/Kg	88				47	123	
	Fluoranthene	1700	1400	ug/Kg	82				50	127	
	Pyrene	1700	1500	ug/Kg	88				47	127	
	Benzo(a)anthracene	1700	1700	ug/Kg	100				49	126	
	Chrysene	1700	1600	ug/Kg	94				50	124	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				45	132	
	Benzo(k)fluoranthene	1700	1400	ug/Kg	82				47	132	
	Benzo(a)pyrene	1700	1700	ug/Kg	100				45	129	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				45	133	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				45	134	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				43	134	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB169285BL

Lab Name: Alliance | Contract: NOBI03

Lab Code: ACE | SDG NO.: Q2879

Lab File ID: BF143446.D | Lab Sample ID: PB169285BL

Instrument ID: BNA_F | Date Extracted: 08/18/2025

Matrix: (soil/water) SOIL | Date Analyzed: 08/19/2025

Level: (low/med) LOW | Time Analyzed: 10:05

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169285BS	PB169285BS	BF143447.D	08/19/2025
DRILL CUTTING 1-3 COMPMS	Q2873-01MS	BF143449.D	08/19/2025
DRILL CUTTING 1-3 COMPMSD	Q2873-01MSD	BF143450.D	08/19/2025
OU4-TS-GRILLO-TSCP03-081425	Q2879-01	BF143451.D	08/19/2025
OU4-TS-GRILLO-TSCP04-081425	Q2879-03	BF143452.D	08/19/2025
OU4-TS-GRILLO-TSCP05-081425	Q2879-05	BF143453.D	08/19/2025
OU4-TS-GRILLO-TSCP06-081425	Q2879-07	BF143454.D	08/19/2025
OU4-TS-GRILLO-TSCP07-081425	Q2879-09	BF143455.D	08/19/2025
OU4-TS-GRILLO-TSCP08-081425	Q2879-11	BF143456.D	08/19/2025
OU4-TS-GRILLO-TSCP09-081425	Q2879-13	BF143457.D	08/19/2025
OU4-TS-GRILLO-TSCP10-081425	Q2879-15	BF143458.D	08/19/2025
OU4-TS-GRILLO-TSCP11-081425	Q2879-17	BF143459.D	08/19/2025

COMMENTS:

Form IV SV

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: NOBI03

Lab Code: ACE SDG NO.: Q2879

Lab File ID: BF143415.D DFTPP Injection Date: 08/15/2025

Instrument ID: BNA_F DFTPP Injection Time: 13:59

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	79.0
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF143416.D	08/15/2025	14:29
SSTDICC005	SSTDICC005	BF143417.D	08/15/2025	14:58
SSTDICC010	SSTDICC010	BF143418.D	08/15/2025	15:28
SSTDICC020	SSTDICC020	BF143419.D	08/15/2025	15:58
SSTDICCC040	SSTDICCC040	BF143420.D	08/15/2025	16:28
SSTDICC050	SSTDICC050	BF143421.D	08/15/2025	16:58
SSTDICC060	SSTDICC060	BF143422.D	08/15/2025	17:27
SSTDICC080	SSTDICC080	BF143423.D	08/15/2025	17:57

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: NOBI03

Lab Code: ACE SDG NO.: Q2879

Lab File ID: BF143444.D DFTPP Injection Date: 08/19/2025

Instrument ID: BNA_F DFTPP Injection Time: 08:39

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.9) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.7) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
365	Greater than 1% of mass 198	4.0
441	Present, but less than mass 443	80.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143445.D	08/19/2025	09:36
PB169285BL	PB169285BL	BF143446.D	08/19/2025	10:05
PB169285BS	PB169285BS	BF143447.D	08/19/2025	10:34
DRILL CUTTING 1-3 COMPMS	Q2873-01MS	BF143449.D	08/19/2025	11:35
DRILL CUTTING 1-3 COMPMSD	Q2873-01MSD	BF143450.D	08/19/2025	12:04
OU4-TS-GRILLO-TSCP03-081425	Q2879-01	BF143451.D	08/19/2025	12:33
OU4-TS-GRILLO-TSCP04-081425	Q2879-03	BF143452.D	08/19/2025	13:01
OU4-TS-GRILLO-TSCP05-081425	Q2879-05	BF143453.D	08/19/2025	13:30
OU4-TS-GRILLO-TSCP06-081425	Q2879-07	BF143454.D	08/19/2025	13:59
OU4-TS-GRILLO-TSCP07-081425	Q2879-09	BF143455.D	08/19/2025	14:28
OU4-TS-GRILLO-TSCP08-081425	Q2879-11	BF143456.D	08/19/2025	14:57
OU4-TS-GRILLO-TSCP09-081425	Q2879-13	BF143457.D	08/19/2025	15:26
OU4-TS-GRILLO-TSCP10-081425	Q2879-15	BF143458.D	08/19/2025	15:55
OU4-TS-GRILLO-TSCP11-081425	Q2879-17	BF143459.D	08/19/2025	16:24
SSTDCCC040EC	SSTDCCC040	BF143465.D	08/19/2025	19:53

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Fax : 908 789 8922

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2879

Client ID : SSTDCCC040 Date Analyzed: 08/19/2025

Lab File ID: BF143445.D Time Analyzed: 09:36

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	123862	6.928	470823	8.21	251926	9.96
	UPPER LIMIT	247724	7.428	941646	8.71	503852	10.463
	LOWER LIMIT	61931	6.428	235412	7.71	125963	9.463
	EPA SAMPLE NO.						
01	PB169285BL	133029	6.93	514311	8.20	286595	9.96
02	PB169285BS	132148	6.93	508774	8.21	275188	9.96
03	DRILL CUTTING 1-3 COMPMS	121157	6.93	450837	8.21	228619	9.96
04	DRILL CUTTING 1-3 COMPMSD	124558	6.93	459157	8.21	257230	9.96
05	OU4-TS-GRILLO-TSCP03-081425	112068	6.92	363238	8.20	160000	9.96
06	OU4-TS-GRILLO-TSCP04-081425	111871	6.93	347487	8.20	150668	9.96
07	OU4-TS-GRILLO-TSCP05-081425	93170	6.93	315157	8.20	143358	9.96
08	OU4-TS-GRILLO-TSCP06-081425	93502	6.93	282085	8.20	137092	9.96
09	OU4-TS-GRILLO-TSCP07-081425	81535	6.93	266043	8.20	139719	9.96
10	OU4-TS-GRILLO-TSCP08-081425	98829	6.93	307720	8.21	157233	9.96
11	OU4-TS-GRILLO-TSCP09-081425	111617	6.93	365896	8.21	170198	9.96
12	OU4-TS-GRILLO-TSCP10-081425	101637	6.93	308767	8.21	162569	9.96
13	OU4-TS-GRILLO-TSCP11-081425	97604	6.93	324465	8.21	169368	9.96

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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Fax : 908 789 8922

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2879

Client ID: SSTDCCC040 Date Analyzed: 08/19/2025

Lab File ID: BF143445.D Time Analyzed: 09:36

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	374076	11.445	210363	14.086	285369	15.574
	UPPER LIMIT	748152	11.945	420726	14.586	570738	16.074
	LOWER LIMIT	187038	10.945	105182	13.586	142685	15.074
	EPA SAMPLE NO.						
01	PB169285BL	476673	11.45	249909	14.09	256798	15.57
02	PB169285BS	445207	11.45	219482	14.09	298768	15.58
03	DRILL CUTTING 1-3 COMPMS	301268	11.45	229466	14.09	284363	15.57
04	DRILL CUTTING 1-3 COMPMSD	322762	11.45	226805	14.09	281296	15.57
05	OU4-TS-GRILLO-TSCP03-08142!	250451	11.45	332982	14.09	251746	15.57
06	OU4-TS-GRILLO-TSCP04-08142!	255855	11.45	317101	14.09	213178	15.58
07	OU4-TS-GRILLO-TSCP05-08142!	276131	11.45	302358	14.09	207438	15.58
08	OU4-TS-GRILLO-TSCP06-08142!	259400	11.45	307100	14.09	179616	15.58
09	OU4-TS-GRILLO-TSCP07-08142!	269890	11.45	272023	14.09	174368	15.58
10	OU4-TS-GRILLO-TSCP08-08142!	284588	11.45	279953	14.09	184800	15.58
11	OU4-TS-GRILLO-TSCP09-08142!	303592	11.45	288545	14.09	189932	15.58
12	OU4-TS-GRILLO-TSCP10-08142!	305125	11.45	286997	14.09	177608	15.59
13	OU4-TS-GRILLO-TSCP11-08142!	306262	11.45	251302	14.09	171573	15.59

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP03-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.1
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143451.D	1	08/18/25 09:06	08/19/25 12:33	PB169285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.15	U	0.026	0.15	0.19	mg/Kg
91-57-6	2-Methylnaphthalene	0.15	U	0.029	0.15	0.19	mg/Kg
208-96-8	Acenaphthylene	0.15	U	0.032	0.15	0.19	mg/Kg
83-32-9	Acenaphthene	0.15	U	0.024	0.15	0.19	mg/Kg
86-73-7	Fluorene	0.15	U	0.028	0.15	0.19	mg/Kg
85-01-8	Phenanthrene	0.095	J	0.023	0.15	0.19	mg/Kg
120-12-7	Anthracene	0.15	U	0.037	0.15	0.19	mg/Kg
206-44-0	Fluoranthene	0.44		0.034	0.15	0.19	mg/Kg
129-00-0	Pyrene	0.17	J	0.040	0.15	0.19	mg/Kg
56-55-3	Benzo(a)anthracene	0.18	J	0.026	0.15	0.19	mg/Kg
218-01-9	Chrysene	0.19		0.022	0.15	0.19	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.34		0.021	0.15	0.19	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.12	J	0.025	0.15	0.19	mg/Kg
50-32-8	Benzo(a)pyrene	0.20		0.033	0.15	0.19	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.15	U	0.033	0.15	0.19	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.15	U	0.031	0.15	0.19	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.085	J	0.029	0.15	0.19	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	64.4		37 - 122		64%	SPK: 100
321-60-8	2-Fluorobiphenyl	67.5		44 - 115		67%	SPK: 100
1718-51-0	Terphenyl-d14	38.4	*	54 - 127		38%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	112000	6.922				
1146-65-2	Naphthalene-d8	363000	8.204				
15067-26-2	Acenaphthene-d10	160000	9.957				
1517-22-2	Phenanthrene-d10	250000	11.445				
1719-03-5	Chrysene-d12	333000	14.086				
1520-96-3	Perylene-d12	252000	15.574				
TENTATIVE IDENTIFIED COMPOUNDS							

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP03-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.1
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143451.D	1	08/18/25 09:06	08/19/25 12:33	PB169285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972608	Alachlor	N.D					
82-68-8	Quintozine	N.D					

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143451.D
Acq On : 19 Aug 2025 12:33
Operator : RC/JU
Sample : Q2879-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

Quant Time: Aug 19 13:04:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.922	152	112068	20.000	ng		0.00
21) Naphthalene-d8	8.204	136	363238	20.000	ng		0.00
39) Acenaphthene-d10	9.957	164	160000	20.000	ng		0.00
64) Phenanthrene-d10	11.445	188	250451	20.000	ng		0.00
76) Chrysene-d12	14.086	240	332982	20.000	ng		0.00
86) Perylene-d12	15.574	264	251746	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.557	112	514922	79.871	ng		0.00
7) Phenol-d6	6.551	99	603558	74.288	ng		0.00
23) Nitrobenzene-d5	7.481	82	394310	64.415	ng		0.00
42) 2,4,6-Tribromophenol	10.745	330	114676	80.524	ng		0.00
45) 2-Fluorobiphenyl	9.275	172	641653	67.453	ng		0.00
79) Terphenyl-d14	13.027	244	761672	38.426	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	11.469	178	34395	2.536	ng		99
75) Fluoranthene	12.657	202	142665	11.839	ng		99
78) Pyrene	12.886	202	134822	4.658	ng		98
81) Benzo(a)anthracene	14.074	228	100221	4.728	ng		93
83) Chrysene	14.110	228	98423	5.022	ng		98
84) Bis(2-ethylhexyl)phtha...	14.057	149	30771	3.023	ng		99
88) Benzo(b)fluoranthene	15.139	252	122765m	9.099	ng		
89) Benzo(k)fluoranthene	15.157	252	42148m	3.167	ng		
90) Benzo(a)pyrene	15.515	252	68496	5.330	ng	#	94
92) Benzo(g,h,i)perylene	17.562	276	34558	2.282	ng		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

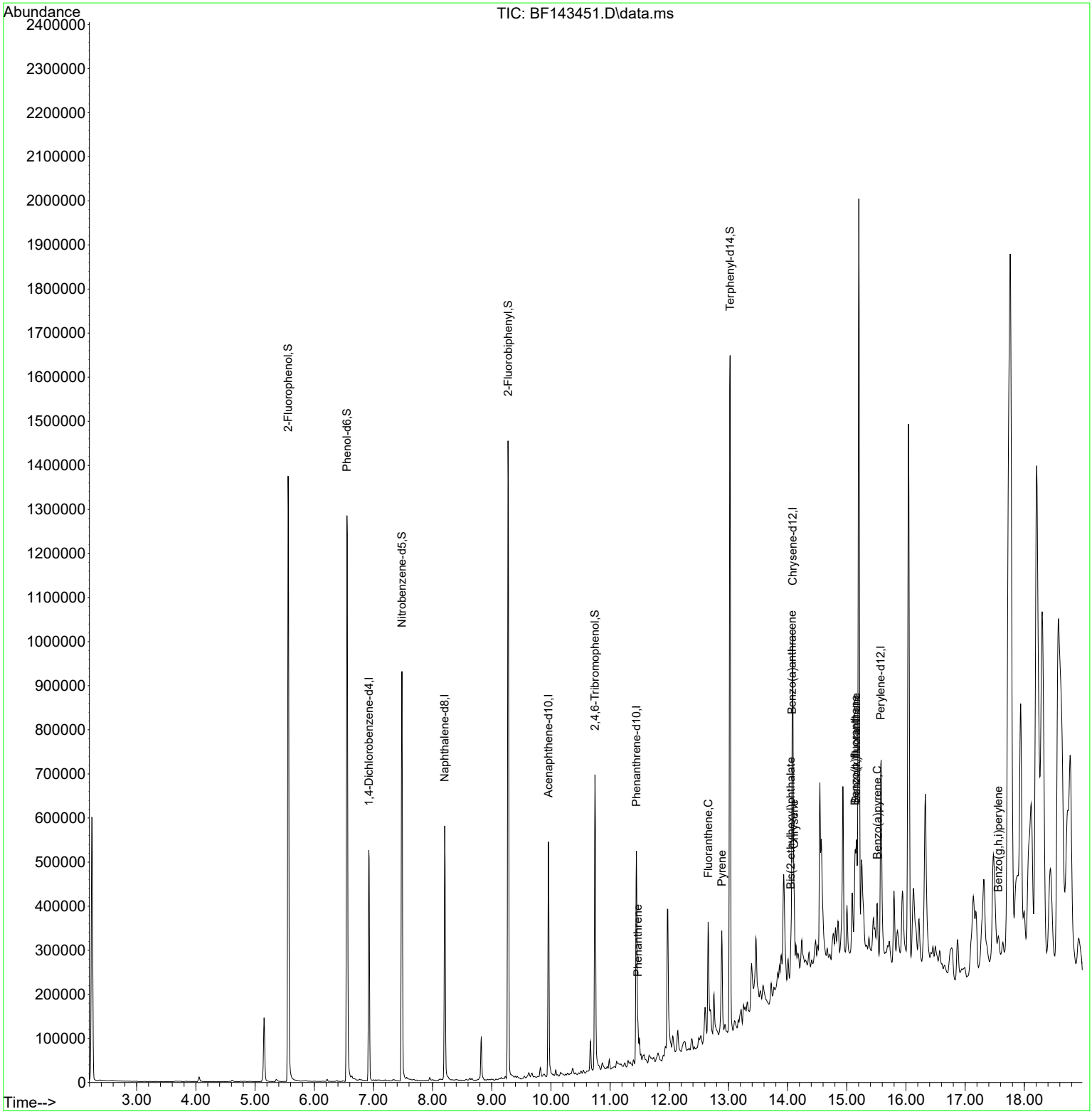
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143451.D
Acq On : 19 Aug 2025 12:33
Operator : RC/JU
Sample : Q2879-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

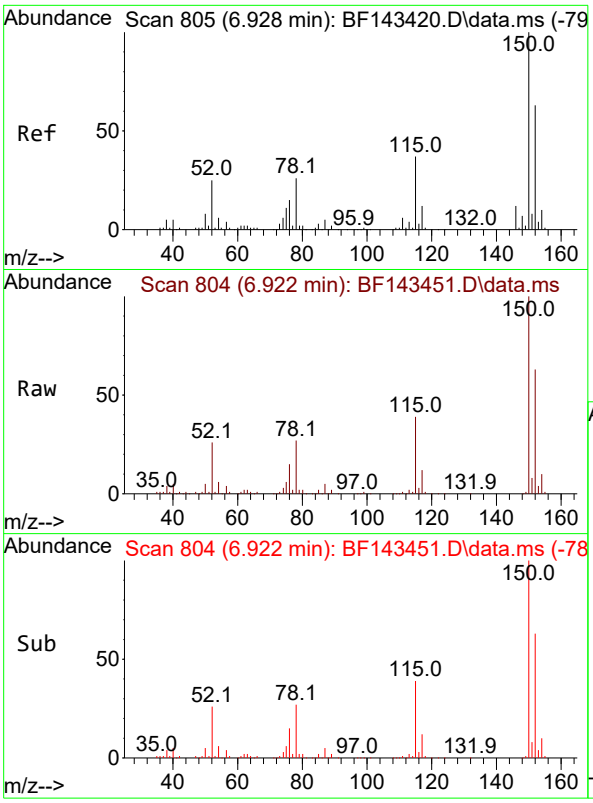
Quant Time: Aug 19 13:04:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

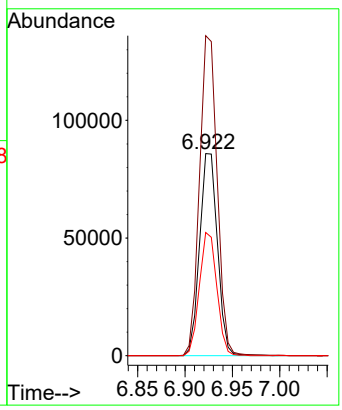




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion:152 Resp: 11206

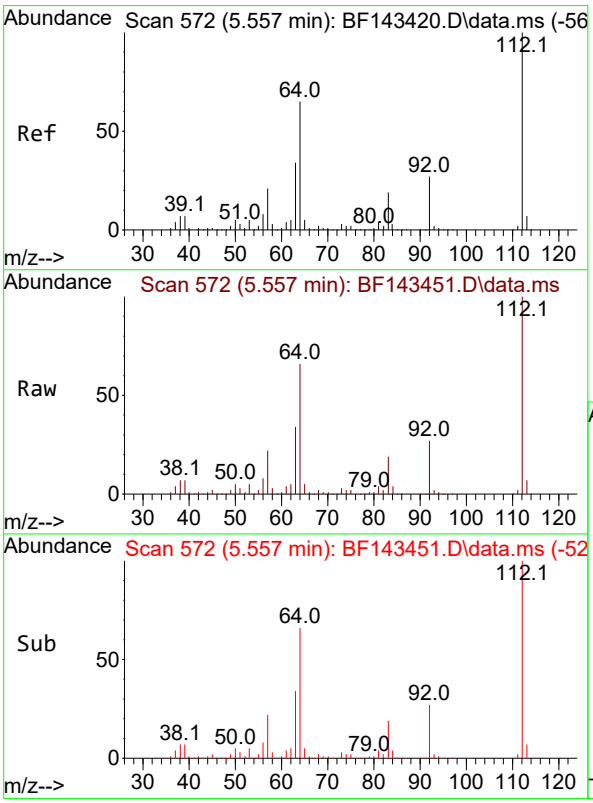
Ion	Ratio	Lower	Upper
152	100		
150	158.3	127.4	191.2
115	61.0	47.5	71.3



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Manual Integrations
APPROVED

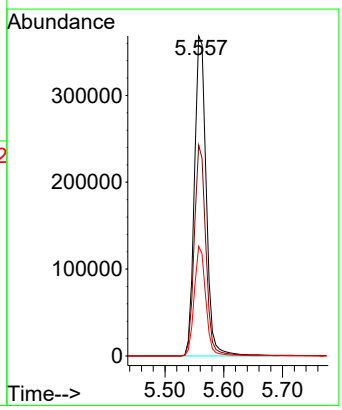
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

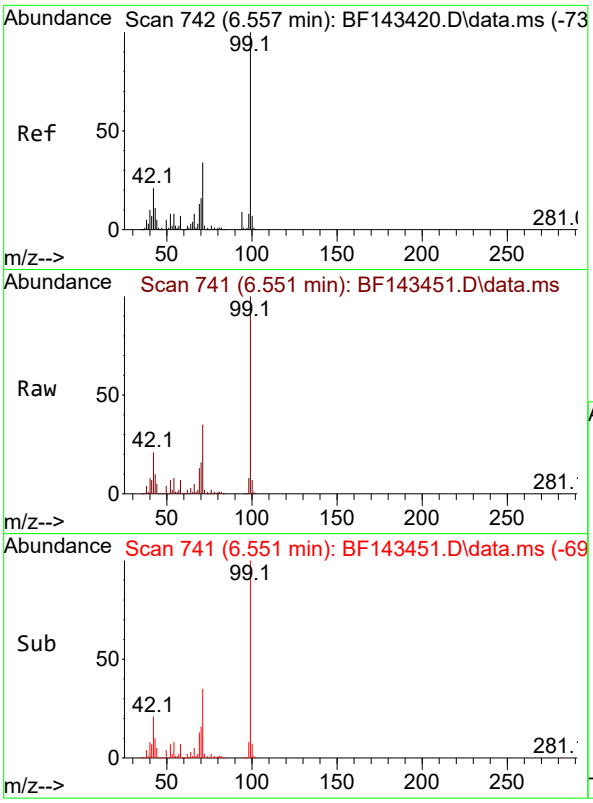


#5
2-Fluorophenol
Concen: 79.871 ng
RT: 5.557 min Scan# 572
Delta R.T. -0.000 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion:112 Resp: 514922

Ion	Ratio	Lower	Upper
112	100		
64	65.9	52.2	78.2
63	34.2	27.0	40.6

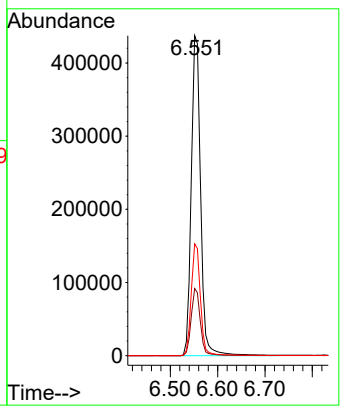




#7
Phenol-d6
Concen: 74.288 ng
RT: 6.551 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion: 99 Resp: 60355

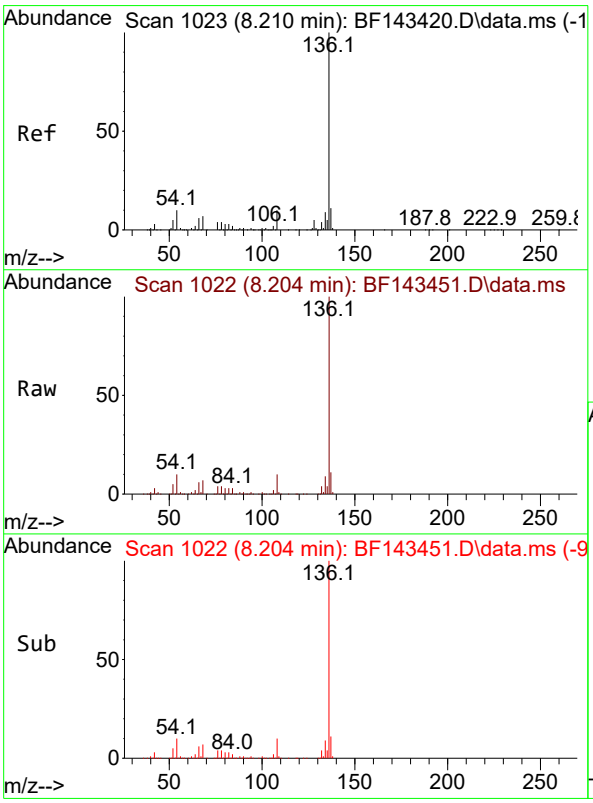
Ion	Ratio	Lower	Upper
99	100		
42	21.0	17.0	25.6
71	34.9	27.4	41.2



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Manual Integrations
APPROVED

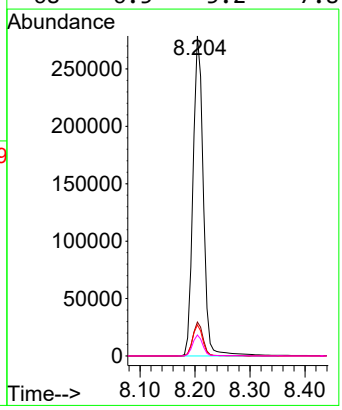
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

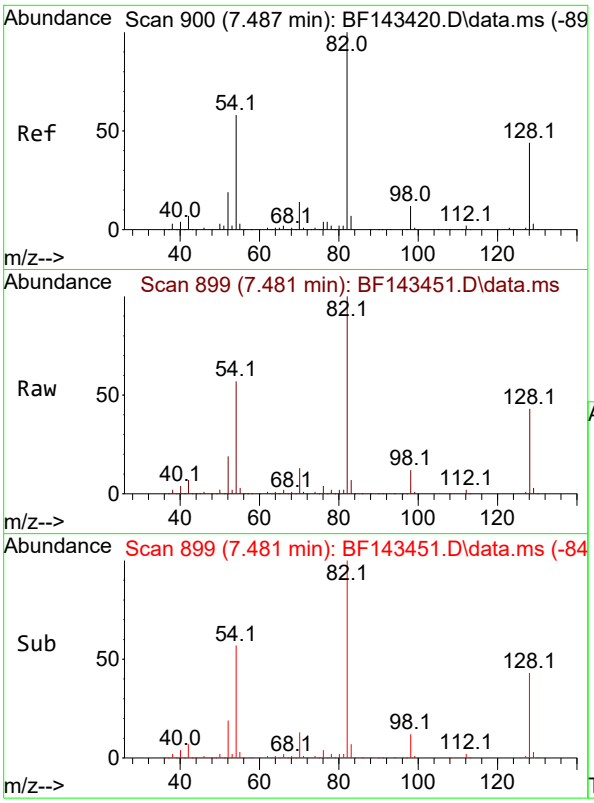


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion:136 Resp: 363238

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	9.7	7.8	11.8
68	6.5	5.2	7.8

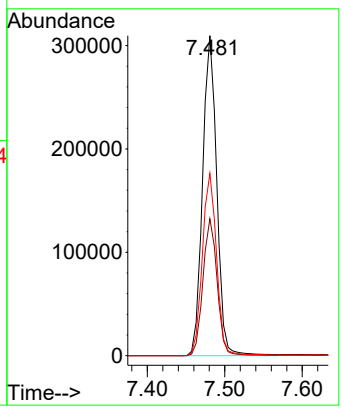




#23
Nitrobenzene-d5
Concen: 64.415 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion: 82 Resp: 39431

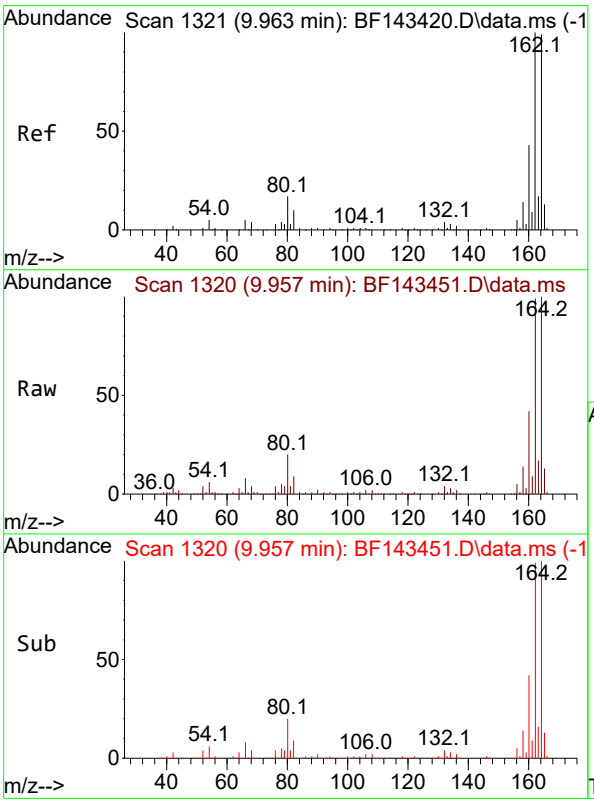
Ion	Ratio	Lower	Upper
82	100		
128	42.8	34.6	52.0
54	56.9	46.0	69.0



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Manual Integrations
APPROVED

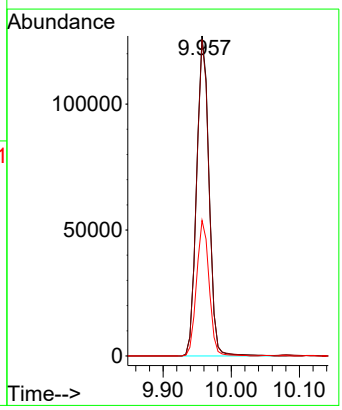
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

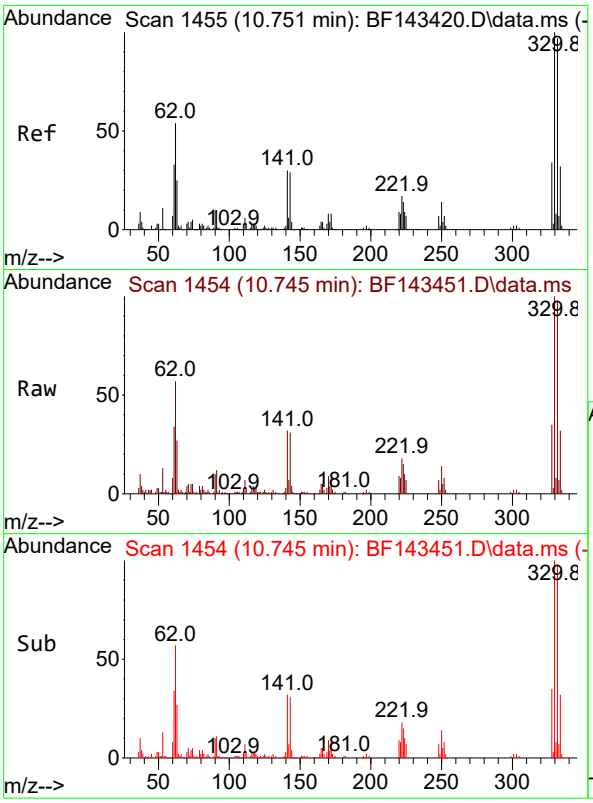


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion:164 Resp: 160000

Ion	Ratio	Lower	Upper
164	100		
162	98.9	80.6	121.0
160	42.4	34.6	51.8

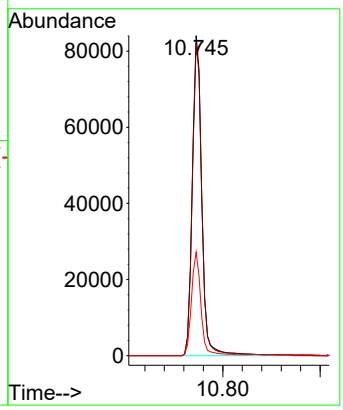




#42
2,4,6-Tribromophenol
Concen: 80.524 ng
RT: 10.745 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion:330 Resp: 11467

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.4	116.2
141	32.2	24.1	36.1



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

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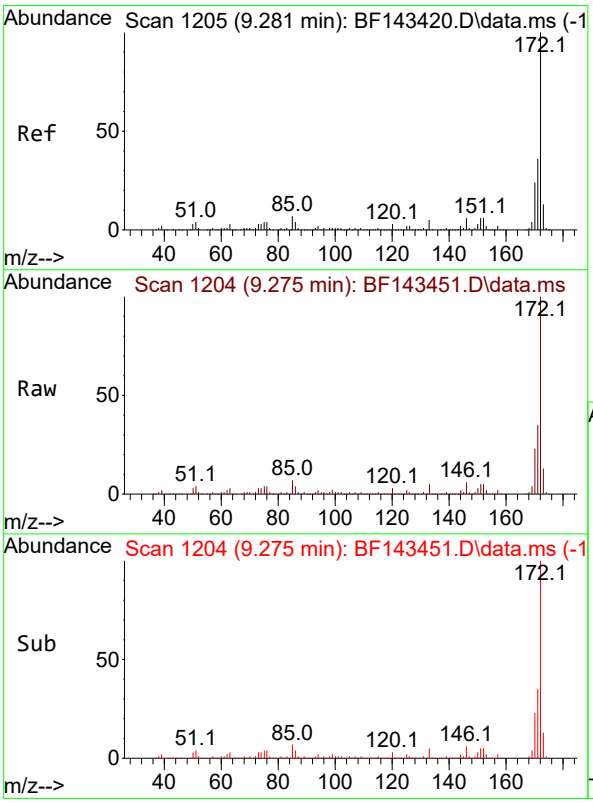
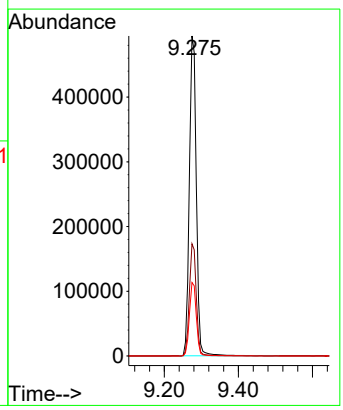
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

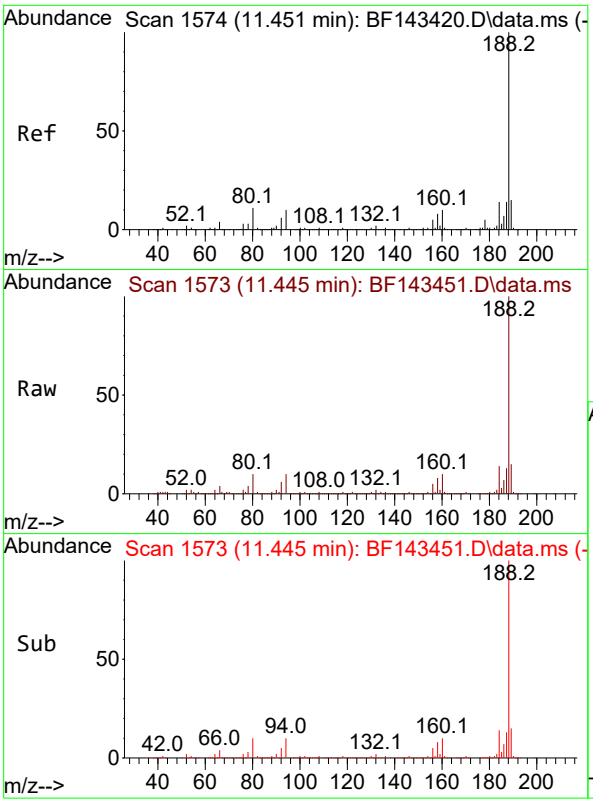


#45
2-Fluorobiphenyl
Concen: 67.453 ng
RT: 9.275 min Scan# 1204
Delta R.T. -0.006 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion:172 Resp: 641653

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.7	43.1
170	23.0	19.0	28.6

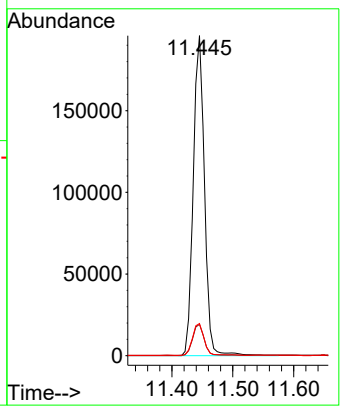




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion:188 Resp: 25045

Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.0	12.0
80	10.0	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

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Reviewed By :Rahul Chavli 08/20/2025
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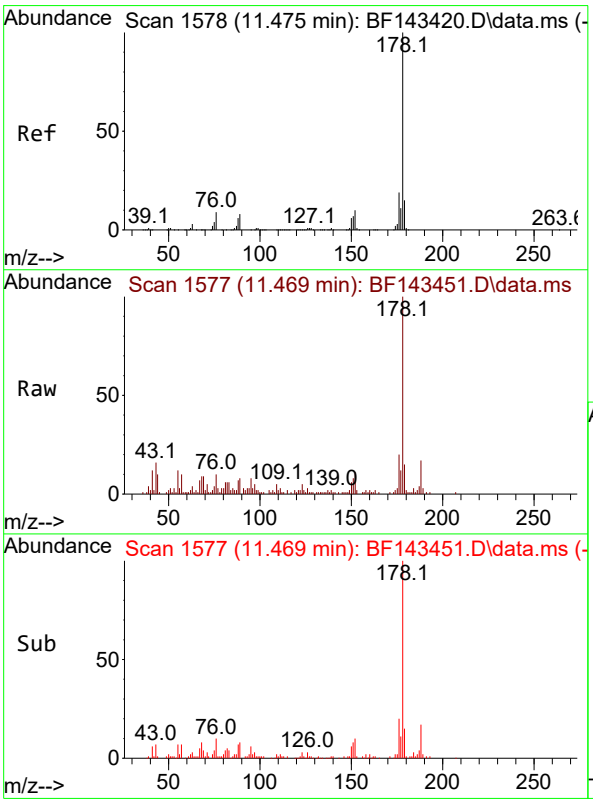
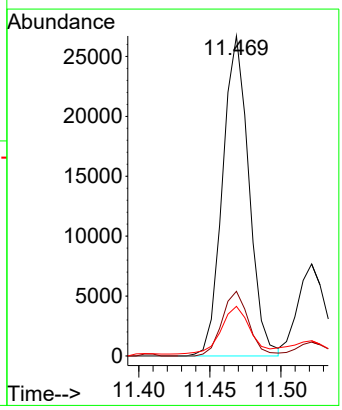
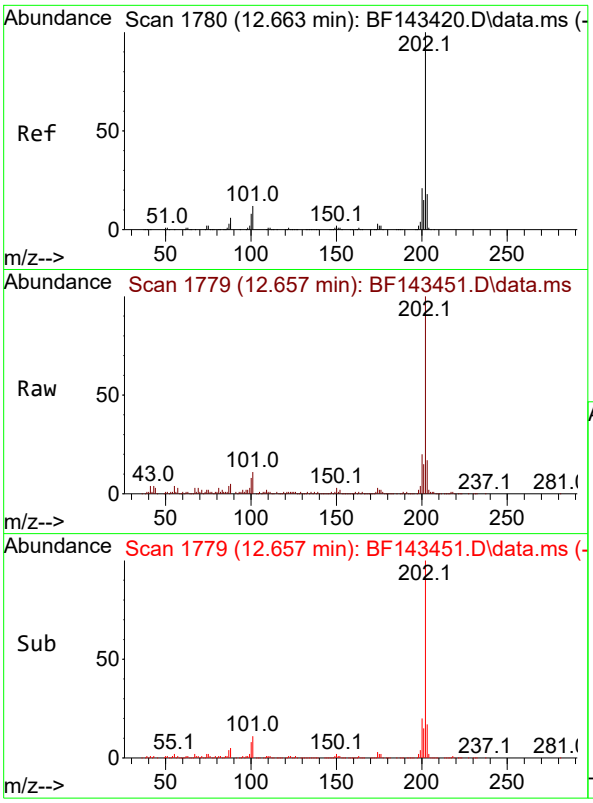


#71
Phenanthrene
Concen: 2.536 ng
RT: 11.469 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion:178 Resp: 34395

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.4	23.0
179	15.5	12.3	18.5

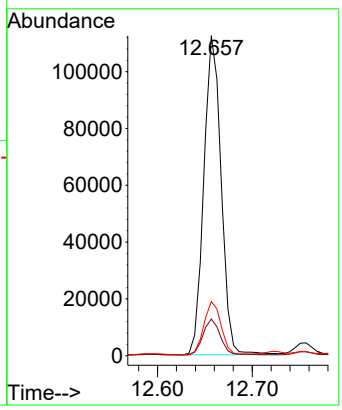




#75
Fluoranthene
Concen: 11.839 ng
RT: 12.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion:202 Resp: 14266

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.5
203	16.9	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

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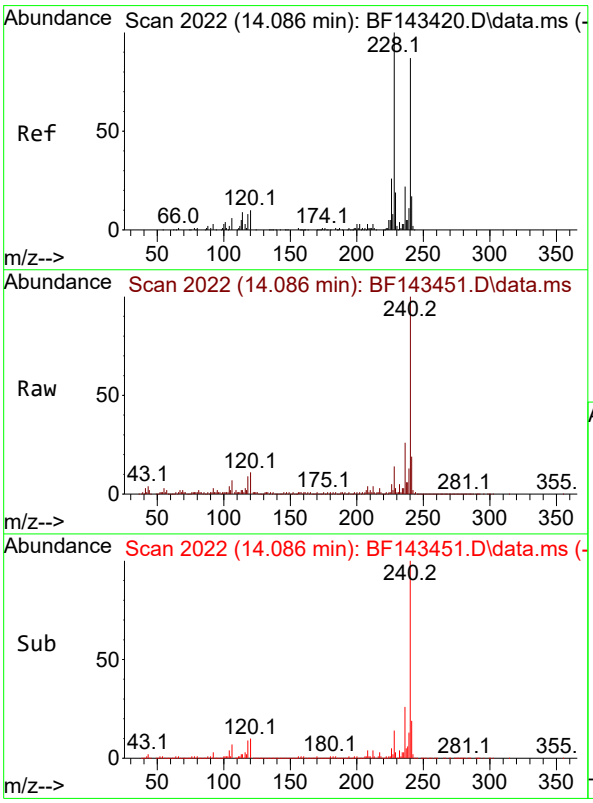
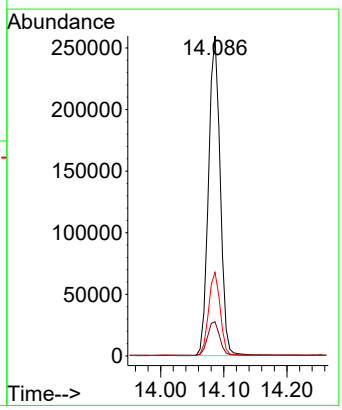
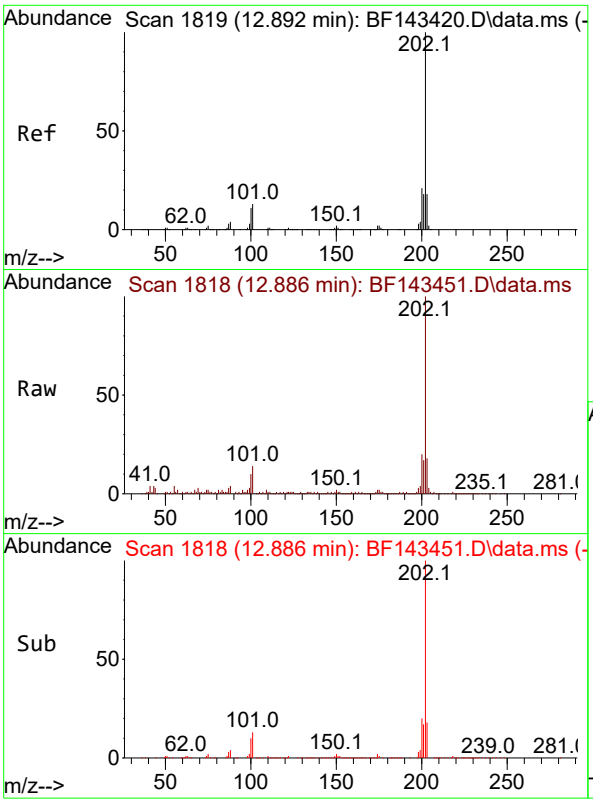


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion:240 Resp: 332982

Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.0	13.4
236	26.2	20.2	30.2

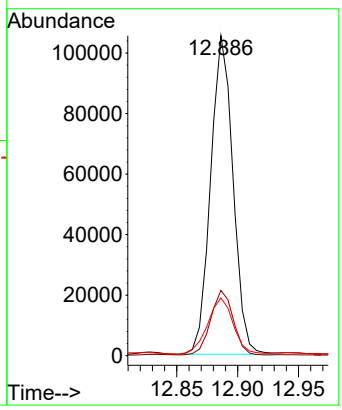




#78
Pyrene
Concen: 4.658 ng
RT: 12.886 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion:202 Resp: 13482

Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.1	25.7
203	18.1	14.2	21.2



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

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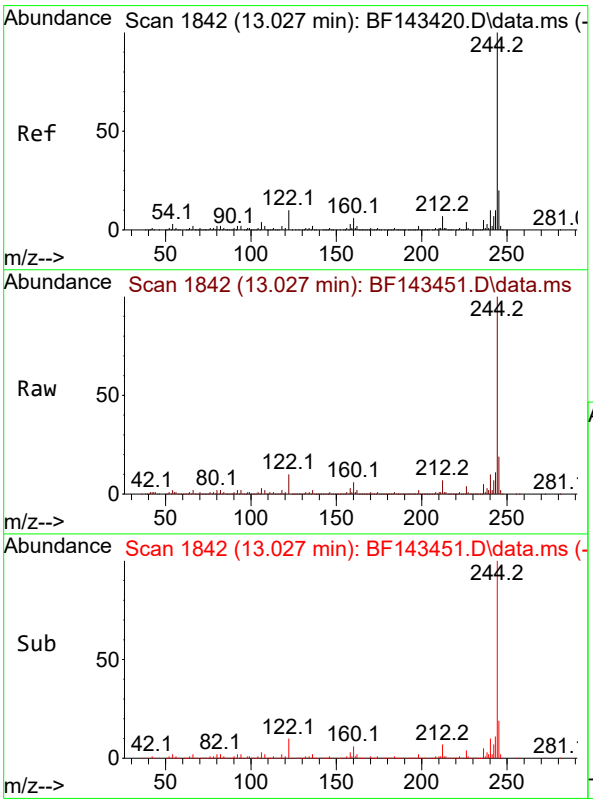
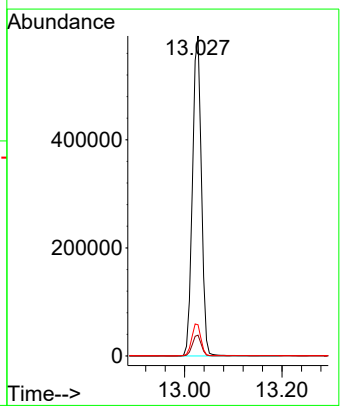
Supervised By :Jagrut Upadhyay 08/20/2025

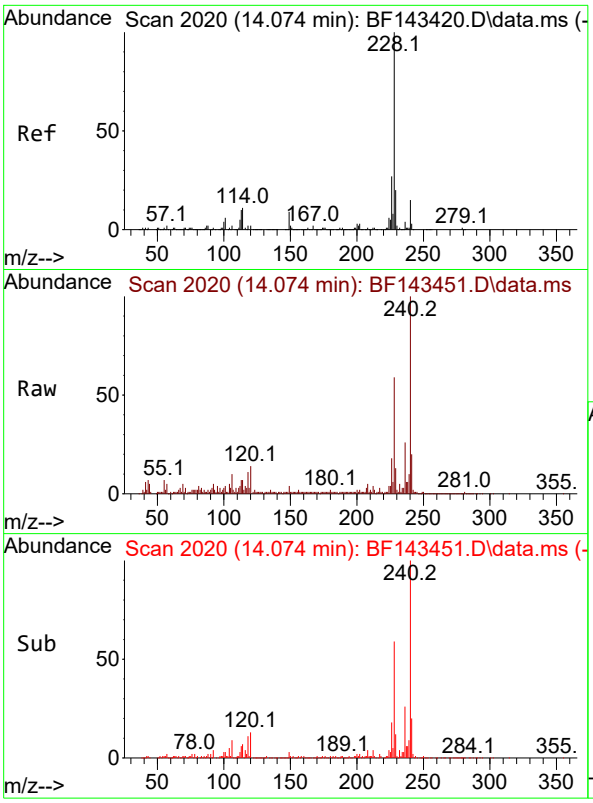


#79
Terphenyl-d14
Concen: 38.426 ng
RT: 13.027 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion:244 Resp: 761672

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	9.8	8.3	12.5

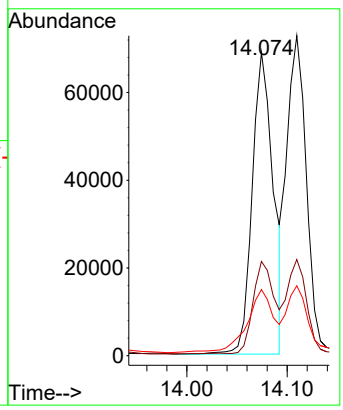




#81
Benzo(a)anthracene
Concen: 4.728 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion:228 Resp: 10022

Ion	Ratio	Lower	Upper
228	100		
226	31.0	21.5	32.3
229	21.8	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Manual Integrations APPROVED

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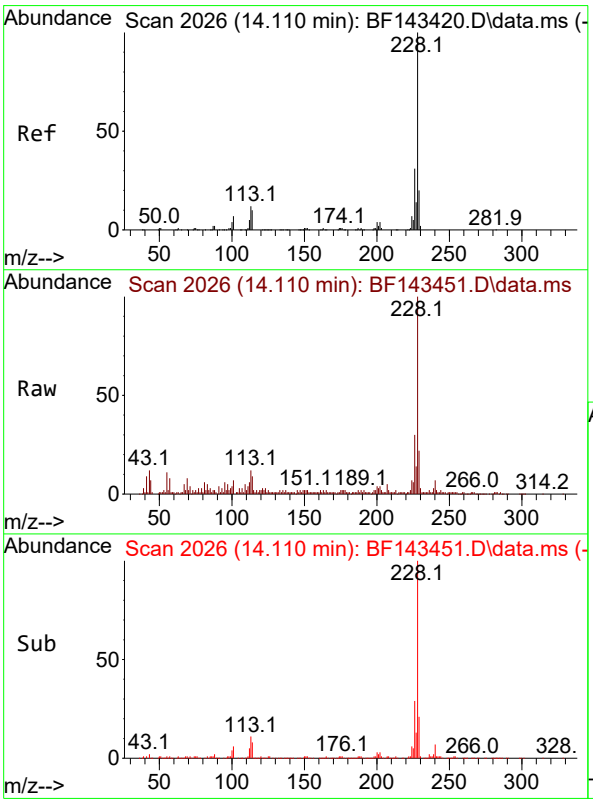
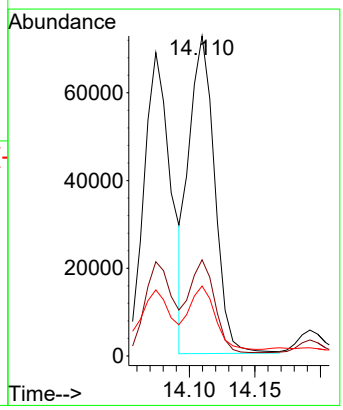
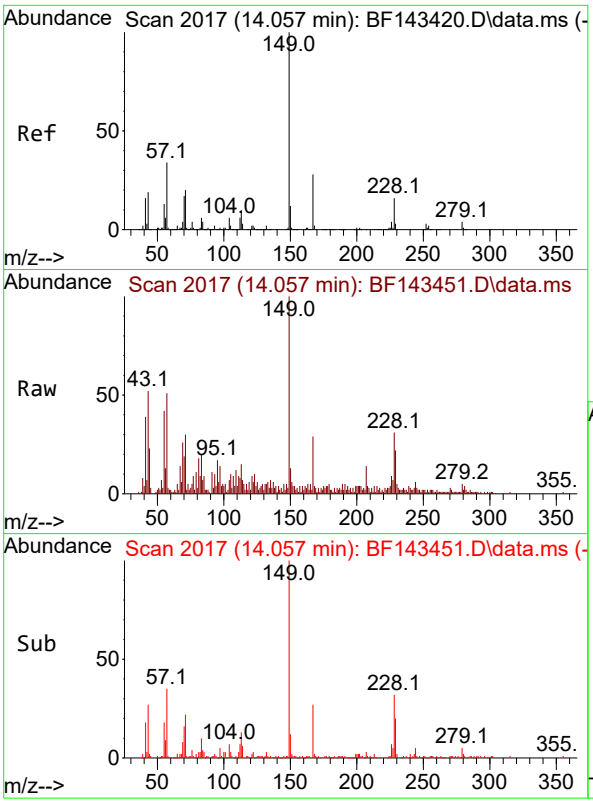


#83
Chrysene
Concen: 5.022 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion:228 Resp: 98423

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.3	36.5
229	21.8	16.1	24.1





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.023 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion:149 Resp: 3077

Ion	Ratio	Lower	Upper
149	100		
167	28.8	22.6	33.8
279	4.7	3.5	5.3

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

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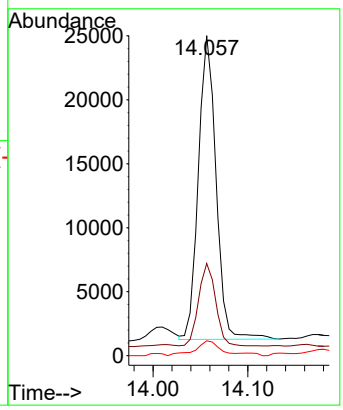
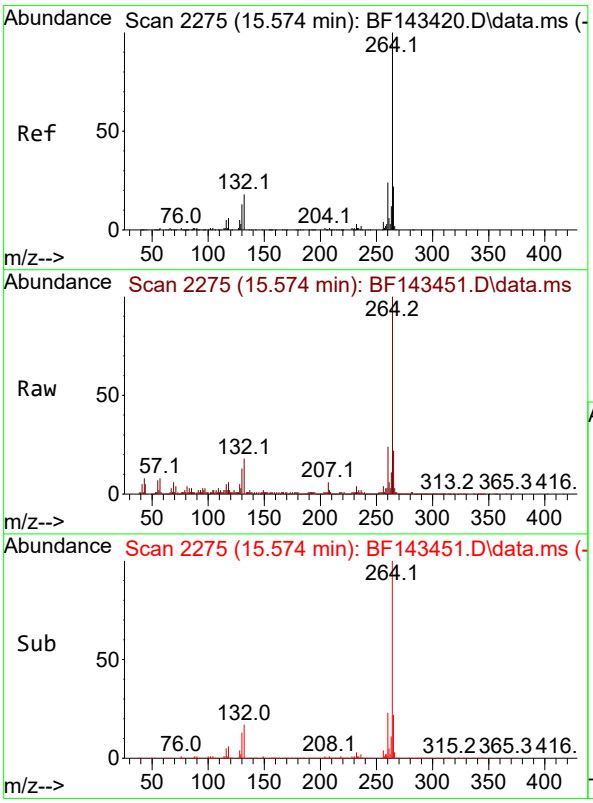
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

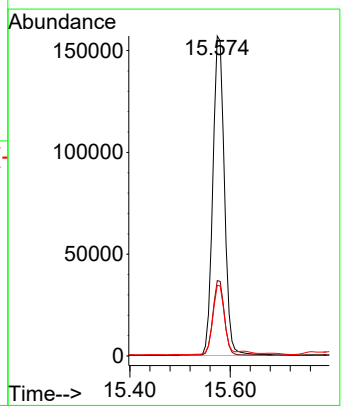


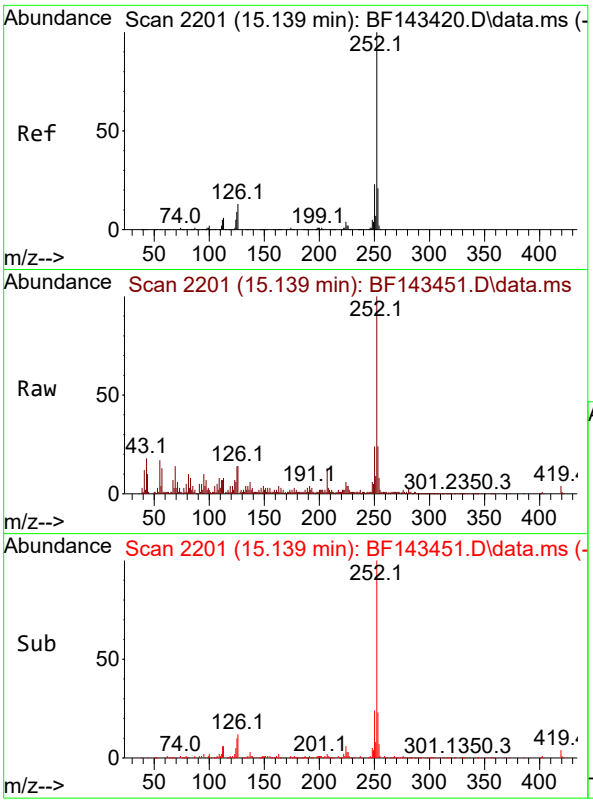


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion:264 Resp: 251746

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.8	28.2
265	22.1	17.4	26.0

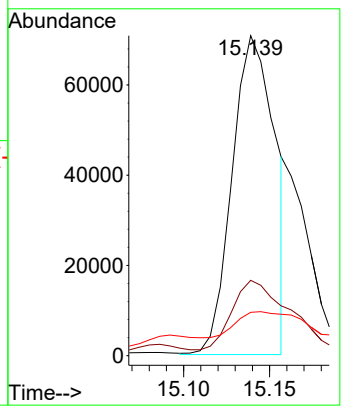




#88
Benzo(b)fluoranthene
Concen: 9.099 ng m
RT: 15.139 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion:252 Resp: 12276

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	13.6	7.5	11.3#



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

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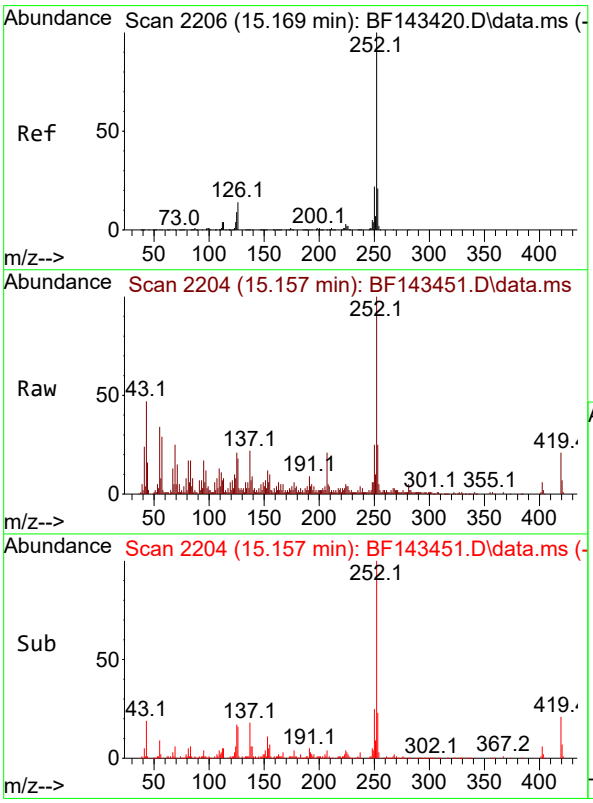
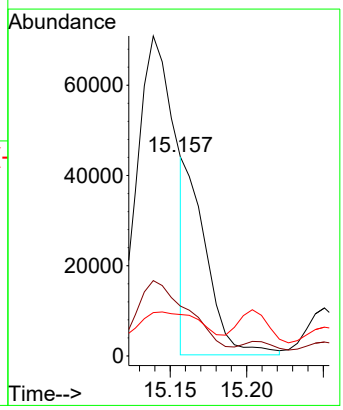
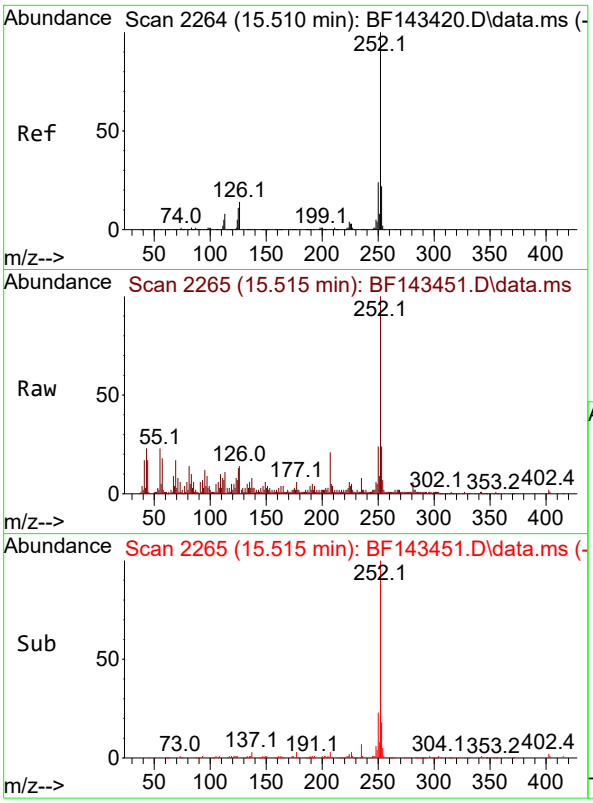


#89
Benzo(k)fluoranthene
Concen: 3.167 ng m
RT: 15.157 min Scan# 2204
Delta R.T. -0.012 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion:252 Resp: 42148

Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.2	25.8
125	20.8	7.4	11.2#

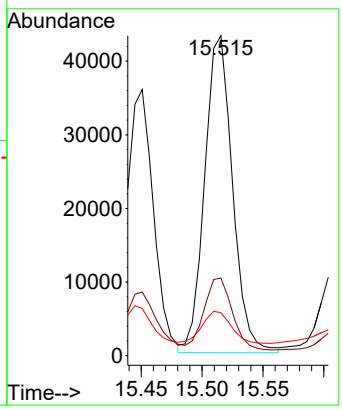




#90
Benzo(a)pyrene
Concen: 5.330 ng
RT: 15.515 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion:252 Resp: 6849

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.4	26.2
125	13.5	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

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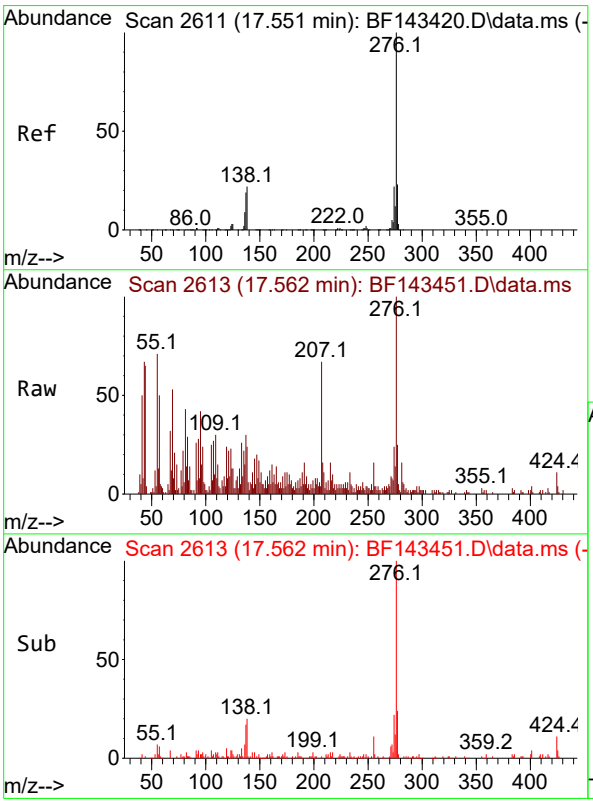
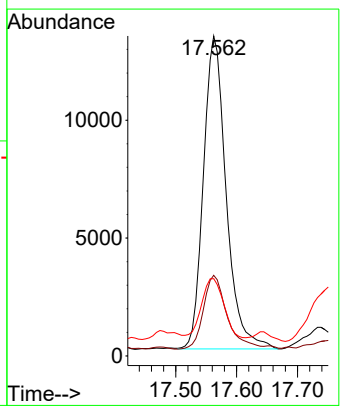


#92
Benzo(g,h,i)perylene
Concen: 2.282 ng
RT: 17.562 min Scan# 2613
Delta R.T. 0.012 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion:276 Resp: 34558

Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.7	28.1
138	24.2	17.5	26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143451.D
Acq On : 19 Aug 2025 12:33
Operator : RC/JU
Sample : Q2879-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143451.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.240	3	8	21	rVB	596671	973825	15.53%	2.135%
2	5.151	495	503	518	rBV	144753	231704	3.70%	0.508%
3	5.557	567	572	598	rBV	1372728	1900391	30.31%	4.167%
4	6.551	736	741	752	rBV	1283506	1752320	27.95%	3.842%
5	6.922	799	804	814	rBV	523240	671408	10.71%	1.472%
6	7.481	893	899	910	rBV	929419	1195154	19.06%	2.621%
7	8.204	1016	1022	1040	rVB	576101	757134	12.08%	1.660%
8	8.822	1113	1127	1136	rBV	98633	144564	2.31%	0.317%
9	9.275	1199	1204	1213	rBV	1446517	1848870	29.49%	4.054%
10	9.957	1315	1320	1333	rBV	532891	702888	11.21%	1.541%
11	10.669	1436	1441	1447	rBV	67221	91451	1.46%	0.201%
12	10.745	1449	1454	1470	rVB	670203	918597	14.65%	2.014%
13	11.445	1568	1573	1580	rBV2	482658	740450	11.81%	1.624%
14	11.969	1658	1662	1674	rVV2	330391	596977	9.52%	1.309%
15	12.057	1675	1677	1684	rVV2	39409	68666	1.10%	0.151%
16	12.145	1688	1692	1701	rVB6	47904	85310	1.36%	0.187%
17	12.604	1766	1770	1775	rBV2	65207	109046	1.74%	0.239%
18	12.657	1775	1779	1784	rBV	252664	365777	5.83%	0.802%
19	12.757	1792	1796	1809	rVB2	92745	165005	2.63%	0.362%
20	12.886	1813	1818	1824	rVB	225156	323324	5.16%	0.709%
21	13.027	1836	1842	1850	rBV	1534413	2032151	32.42%	4.456%
22	13.392	1900	1904	1909	rBV3	95391	191691	3.06%	0.420%
23	13.463	1913	1916	1926	rVB3	138403	267193	4.26%	0.586%
24	13.933	1992	1996	2005	rVB2	238482	508489	8.11%	1.115%
25	14.086	2014	2022	2029	rBV2	779055	1447020	23.08%	3.173%
26	14.545	2096	2100	2102	rBV	379025	501616	8.00%	1.100%
27	14.933	2162	2166	2173	rVB	375669	533079	8.50%	1.169%
28	15.004	2175	2178	2186	rVB2	108410	154101	2.46%	0.338%
29	15.092	2189	2193	2197	rVV	129071	213378	3.40%	0.468%
30	15.145	2197	2202	2203	rVV	225850	364415	5.81%	0.799%
31	15.204	2207	2212	2217	rVV	1699181	2569342	40.98%	5.634%
32	15.251	2217	2220	2232	rVB2	196974	474195	7.56%	1.040%
33	15.580	2271	2276	2286	rVB	438632	790541	12.61%	1.733%
34	15.798	2309	2313	2319	rBV2	144803	237334	3.79%	0.520%
35	15.939	2334	2337	2348	rVB	137177	276841	4.42%	0.607%
36	16.045	2349	2355	2362	rVB	1208843	2146984	34.25%	4.708%

Sample Results: **BF143451.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143451.D
Acq On : 19 Aug 2025 12:33
Operator : RC/JU
Sample : Q2879-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.327	2398	2403	2416	rVB2	370321	880427	14.04%	1.931%
38	17.480	2593	2599	2609	rBV4	203089	575022	9.17%	1.261%
39	17.762	2634	2647	2658	rBV4	1549372	6268994	100.00%	13.747%
40	17.939	2672	2677	2684	rVB	484407	1083549	17.28%	2.376%
41	18.209	2715	2723	2732	rBV	1012197	3572115	56.98%	7.833%
42	18.303	2734	2739	2752	rVB5	773507	2491324	39.74%	5.463%
43	18.580	2776	2786	2804	rBV6	754922	4381341	69.89%	9.607%

Sum of corrected areas: 45604003

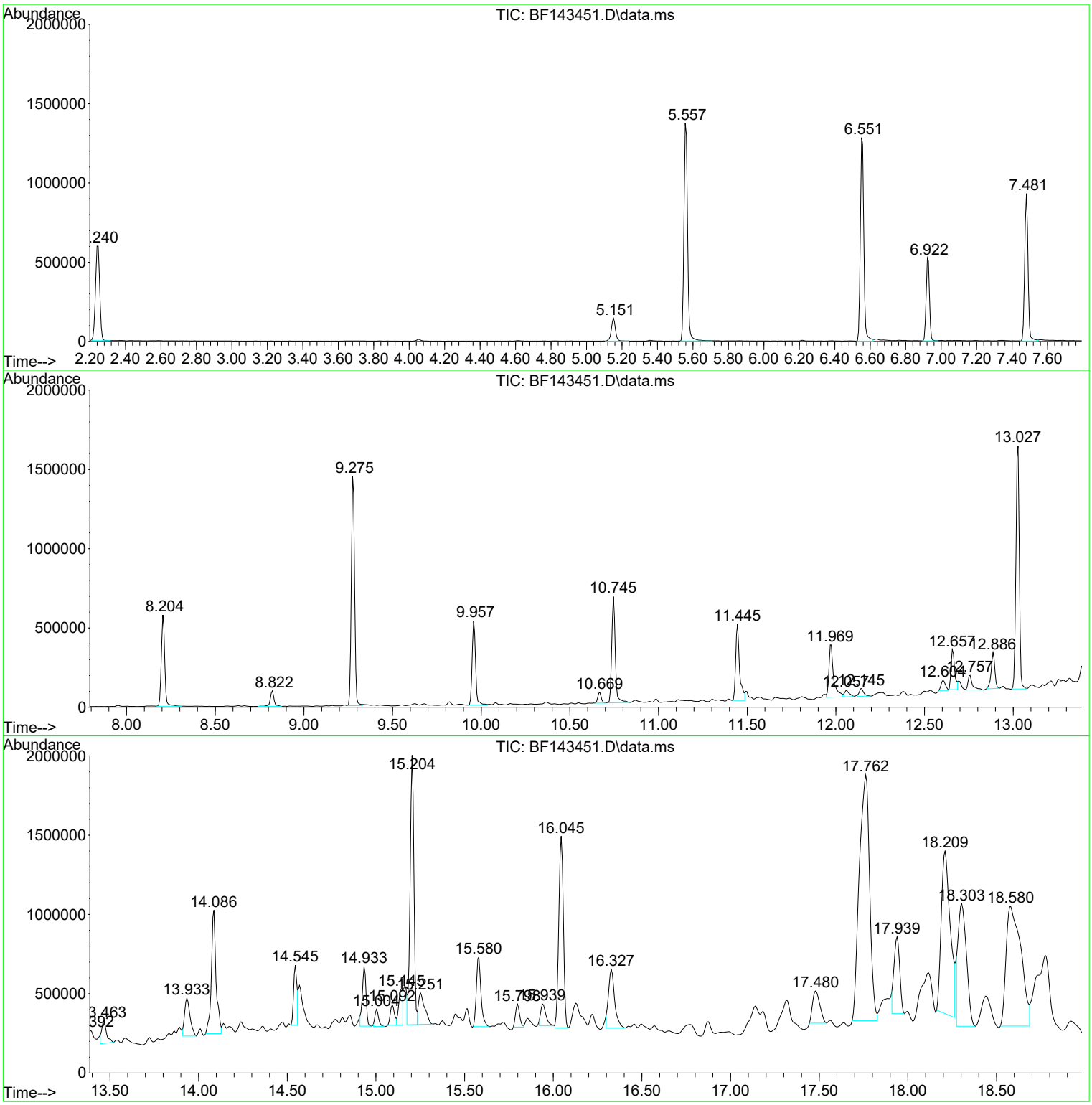
Sample Results: **BF143451.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143451.D
Acq On : 19 Aug 2025 12:33
Operator : RC/JU
Sample : Q2879-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143451.D
Acq On : 19 Aug 2025 12:33
Operator : RC/JU
Sample : Q2879-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143451.D
Acq On : 19 Aug 2025 12:33
Operator : RC/JU
Sample : Q2879-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP04-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143452.D	1	08/18/25 09:06	08/19/25 13:01	PB169285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.15	U	0.026	0.15	0.19	mg/Kg
91-57-6	2-Methylnaphthalene	0.15	U	0.029	0.15	0.19	mg/Kg
208-96-8	Acenaphthylene	0.15	U	0.033	0.15	0.19	mg/Kg
83-32-9	Acenaphthene	0.15	U	0.024	0.15	0.19	mg/Kg
86-73-7	Fluorene	0.15	U	0.029	0.15	0.19	mg/Kg
85-01-8	Phenanthrene	0.33		0.024	0.15	0.19	mg/Kg
120-12-7	Anthracene	0.15	U	0.038	0.15	0.19	mg/Kg
206-44-0	Fluoranthene	0.65		0.034	0.15	0.19	mg/Kg
129-00-0	Pyrene	0.34		0.041	0.15	0.19	mg/Kg
56-55-3	Benzo(a)anthracene	0.36		0.026	0.15	0.19	mg/Kg
218-01-9	Chrysene	0.41		0.023	0.15	0.19	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.66		0.022	0.15	0.19	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.24		0.026	0.15	0.19	mg/Kg
50-32-8	Benzo(a)pyrene	0.36		0.034	0.15	0.19	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	J	0.033	0.15	0.19	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.15	U	0.031	0.15	0.19	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.16	J	0.030	0.15	0.19	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	69.9		37 - 122		70%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.3		44 - 115		71%	SPK: 100
1718-51-0	Terphenyl-d14	40.4	*	54 - 127		40%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	112000	6.928				
1146-65-2	Naphthalene-d8	347000	8.204				
15067-26-2	Acenaphthene-d10	151000	9.957				
1517-22-2	Phenanthrene-d10	256000	11.445				
1719-03-5	Chrysene-d12	317000	14.086				
1520-96-3	Perylene-d12	213000	15.58				
TENTATIVE IDENTIFIED COMPOUNDS							

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP04-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143452.D	1	08/18/25 09:06	08/19/25 13:01	PB169285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972608	Alachlor	N.D					
82-68-8	Quintozine	N.D					

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143452.D
Acq On : 19 Aug 2025 13:01
Operator : RC/JU
Sample : Q2879-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

Quant Time: Aug 19 13:36:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	111871	20.000	ng		0.00
21) Naphthalene-d8	8.204	136	347487	20.000	ng		0.00
39) Acenaphthene-d10	9.957	164	150668	20.000	ng		0.00
64) Phenanthrene-d10	11.445	188	255855	20.000	ng		0.00
76) Chrysene-d12	14.086	240	317101	20.000	ng		0.00
86) Perylene-d12	15.580	264	213178	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.563	112	511842	79.533	ng		0.00
7) Phenol-d6	6.557	99	597843	73.714	ng		0.00
23) Nitrobenzene-d5	7.481	82	409547	69.937	ng		0.00
42) 2,4,6-Tribromophenol	10.745	330	126721	94.493	ng		0.00
45) 2-Fluorobiphenyl	9.275	172	638703	71.302	ng		0.00
79) Terphenyl-d14	13.027	244	763485	40.446	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	11.469	178	119727	8.641	ng		99
75) Fluoranthene	12.657	202	208878	16.967	ng		99
78) Pyrene	12.886	202	241733	8.771	ng		99
81) Benzo(a)anthracene	14.074	228	190874	9.455	ng		95
83) Chrysene	14.110	228	200424	10.739	ng		98
84) Bis(2-ethylhexyl)phtha...	14.057	149	25990	2.681	ng	#	98
87) Indeno(1,2,3-cd)pyrene	17.098	276	57299	3.584	ng		96
88) Benzo(b)fluoranthene	15.139	252	197074m	17.249	ng		
89) Benzo(k)fluoranthene	15.157	252	69658m	6.181	ng		
90) Benzo(a)pyrene	15.515	252	102742	9.441	ng		97
92) Benzo(g,h,i)perylene	17.556	276	55171	4.302	ng		96

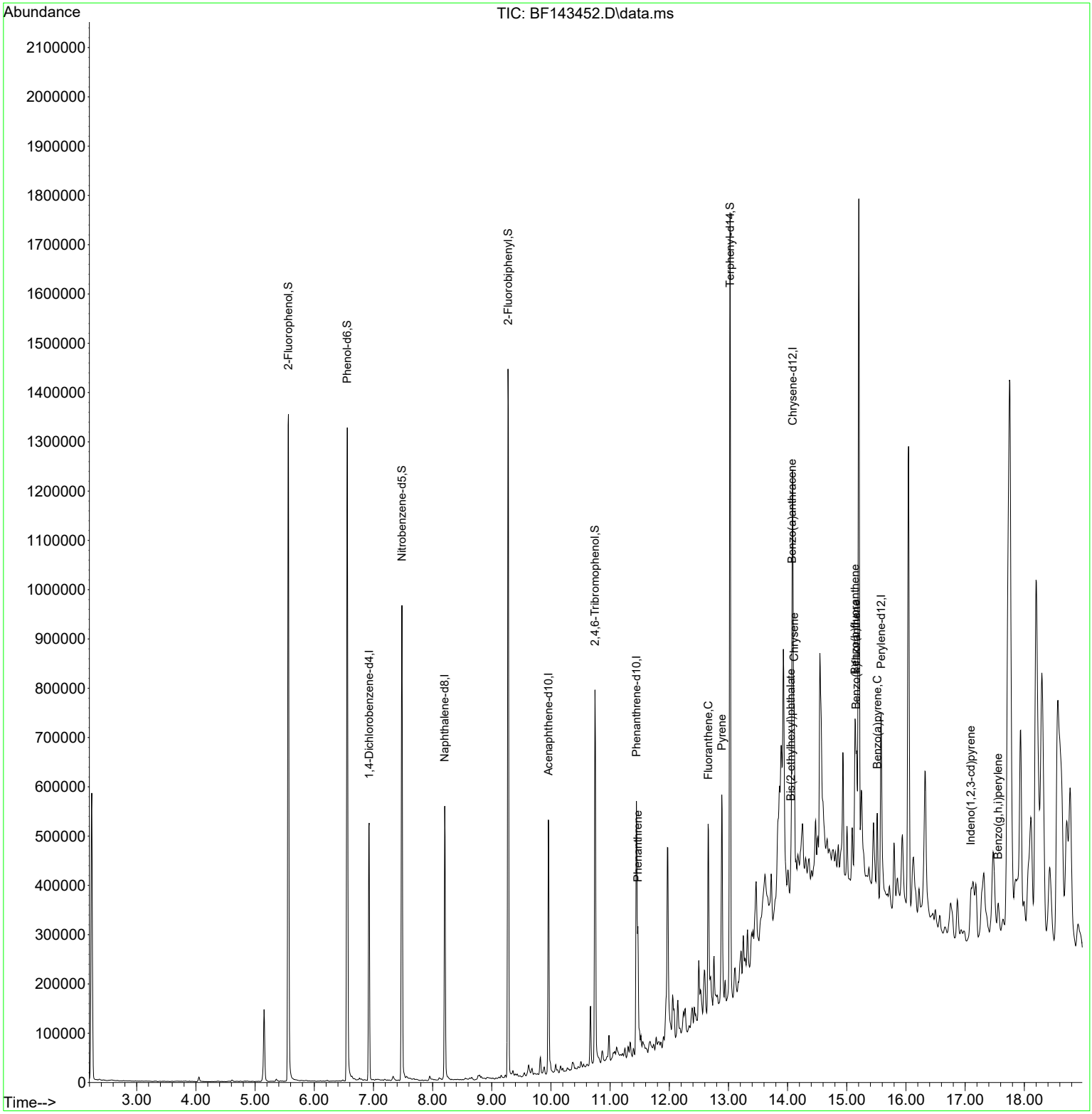
(#) = qualifier out of range (m) = manual integration (+) = signals summed

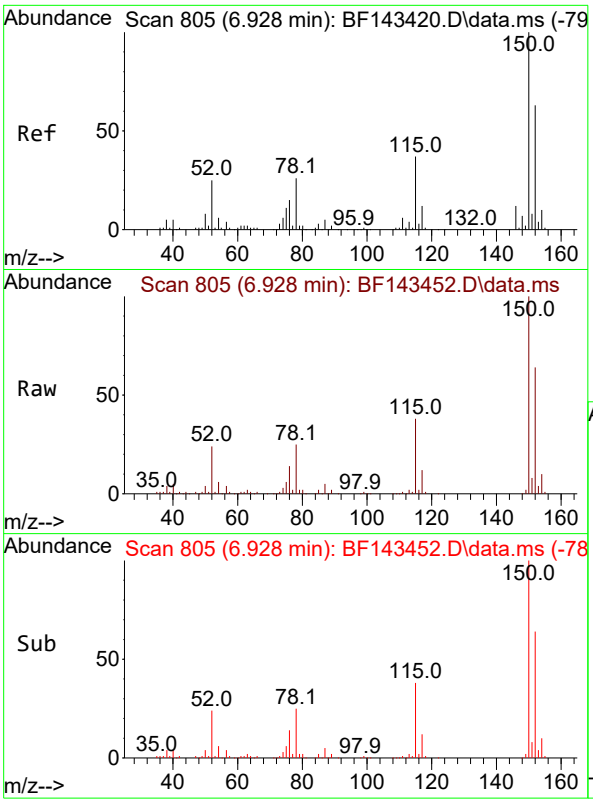
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143452.D
Acq On : 19 Aug 2025 13:01
Operator : RC/JU
Sample : Q2879-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 19 13:36:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

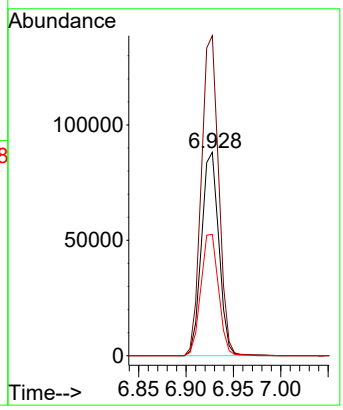




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:152 Resp: 11187

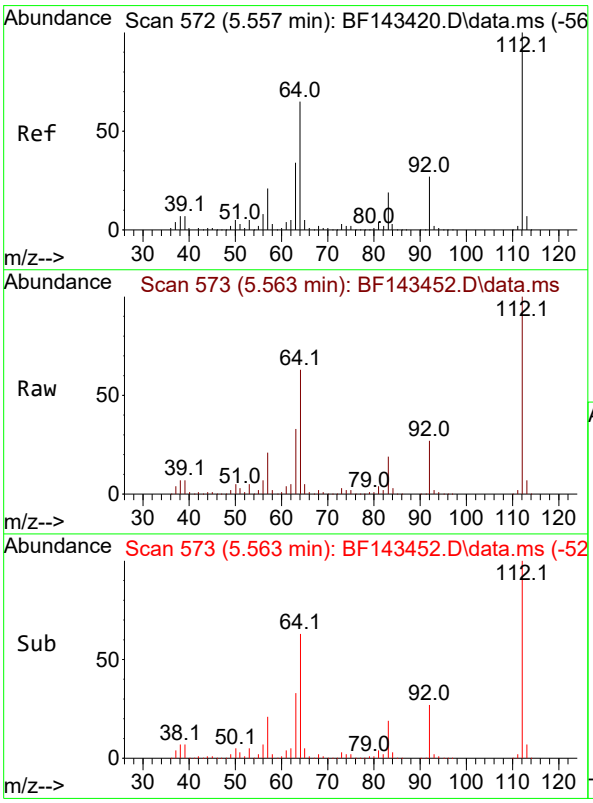
Ion	Ratio	Lower	Upper
152	100		
150	157.4	127.4	191.2
115	59.7	47.5	71.3



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Manual Integrations
APPROVED

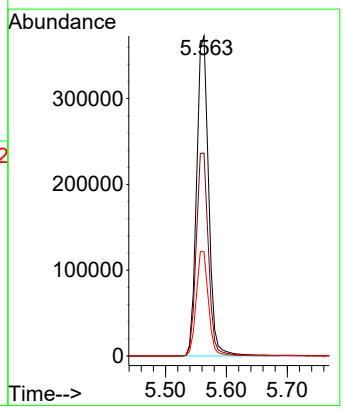
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

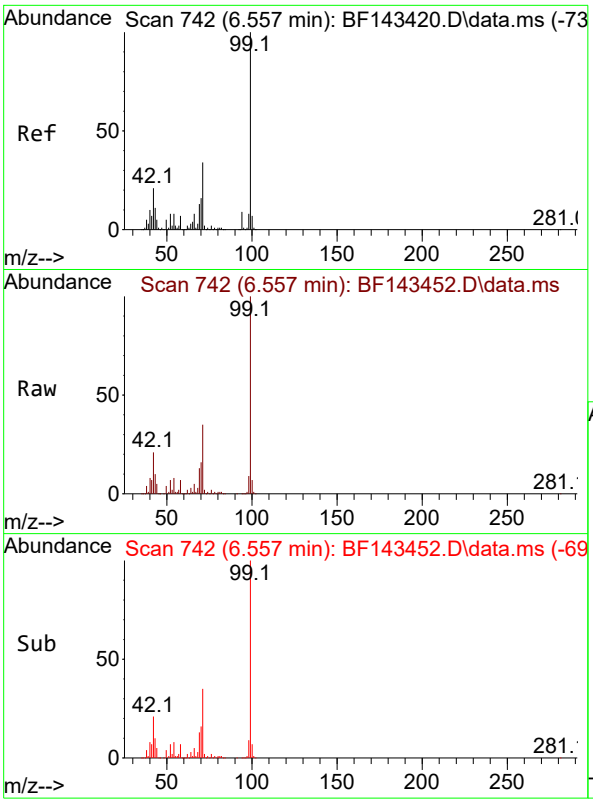


#5
2-Fluorophenol
Concen: 79.533 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:112 Resp: 511842

Ion	Ratio	Lower	Upper
112	100		
64	63.4	52.2	78.2
63	32.6	27.0	40.6

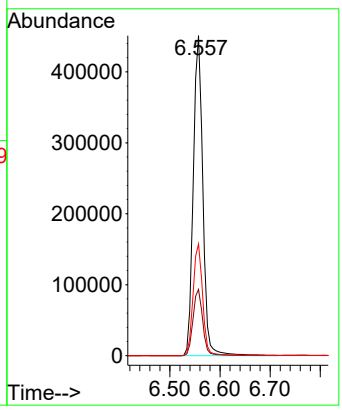




#7
Phenol-d6
Concen: 73.714 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion: 99 Resp: 59784

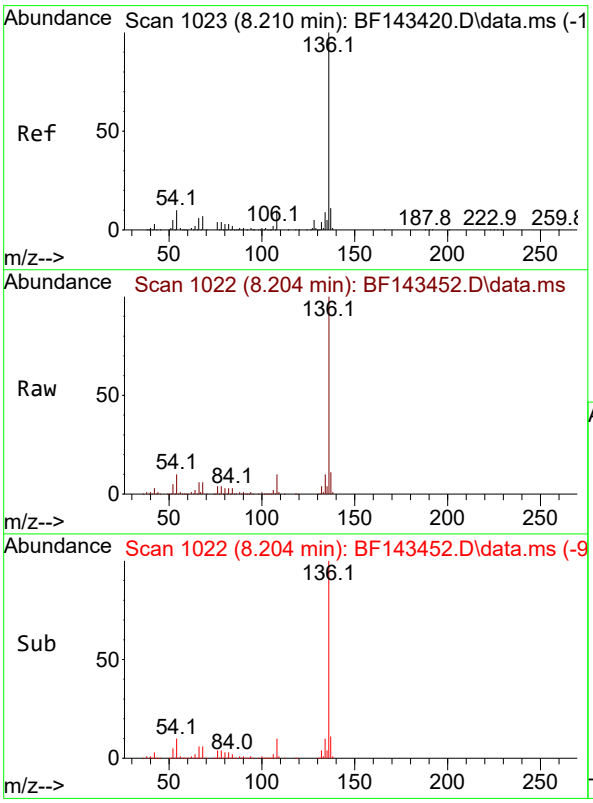
Ion	Ratio	Lower	Upper
99	100		
42	20.7	17.0	25.6
71	34.9	27.4	41.2



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Manual Integrations
APPROVED

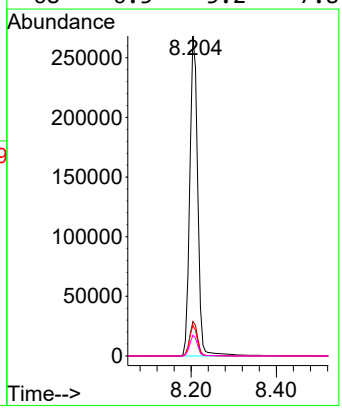
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

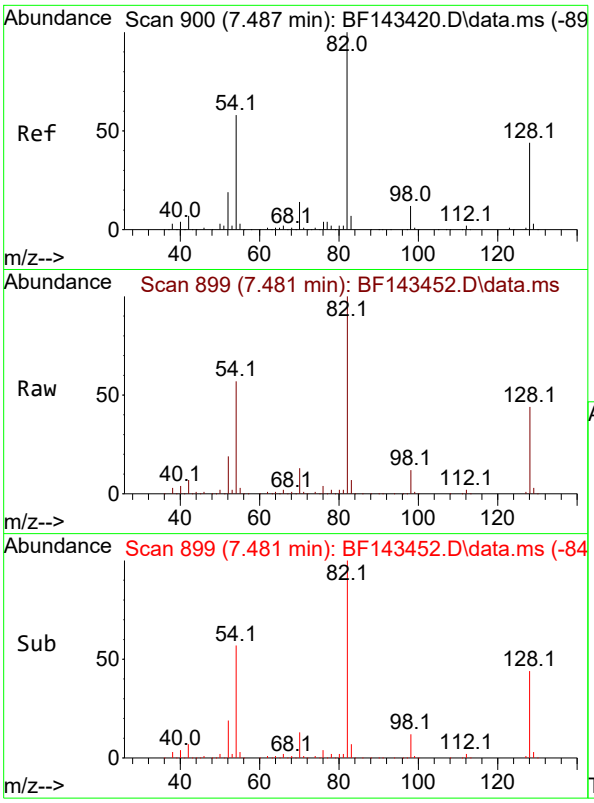


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:136 Resp: 347487

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	9.6	7.8	11.8
68	6.5	5.2	7.8

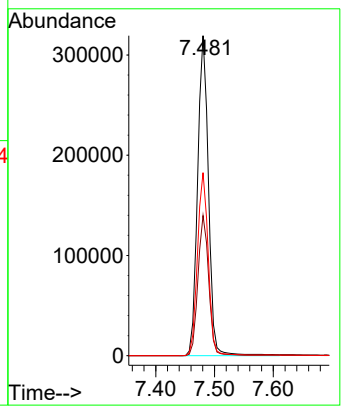




#23
Nitrobenzene-d5
Concen: 69.937 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion: 82 Resp: 40954

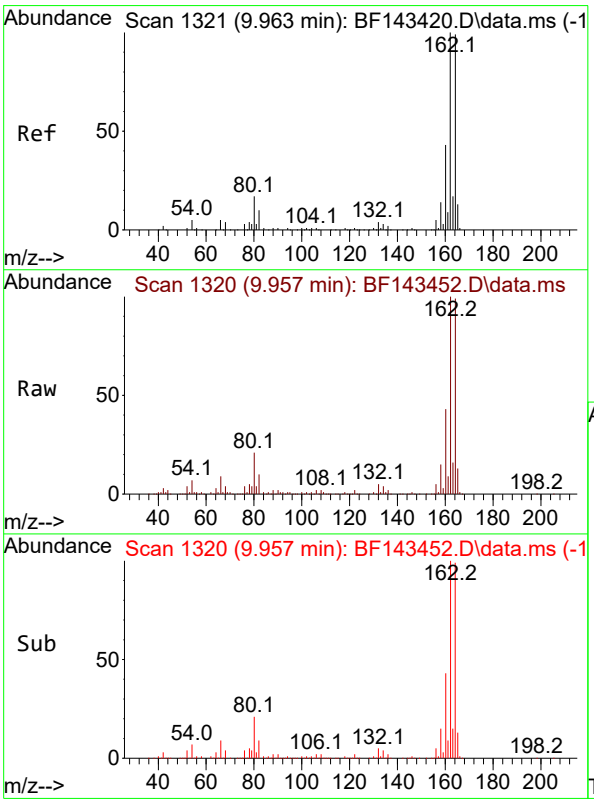
Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.6	52.0
54	57.2	46.0	69.0



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Manual Integrations
APPROVED

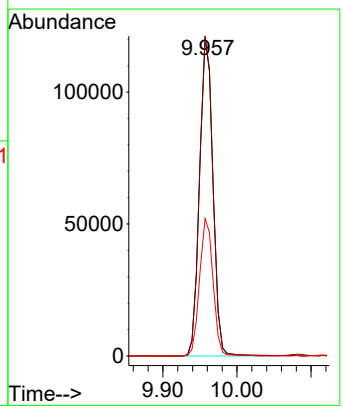
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

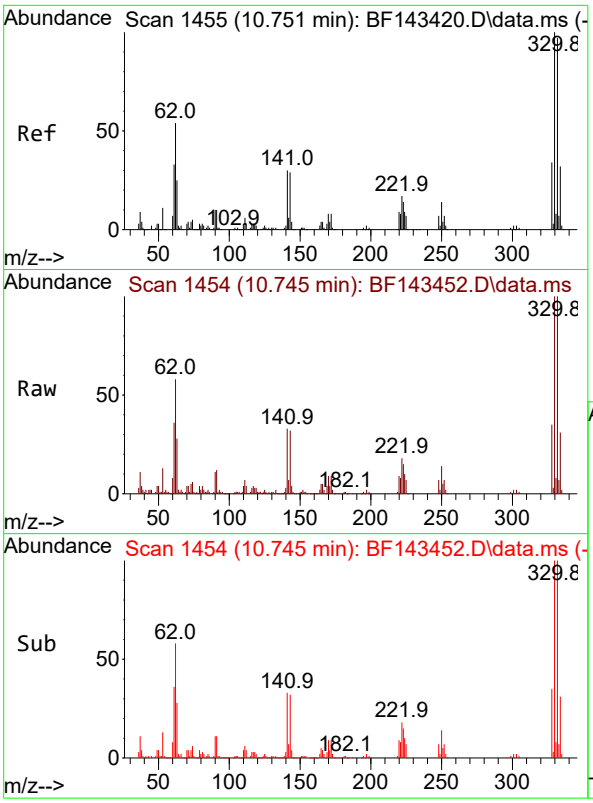


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:164 Resp: 150668

Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.6	121.0
160	43.2	34.6	51.8

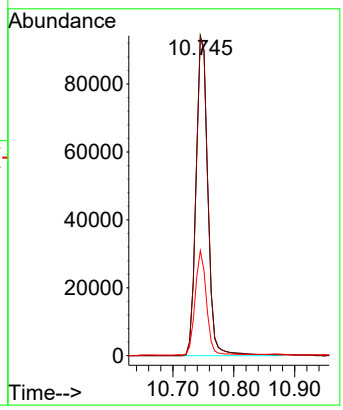




#42
2,4,6-Tribromophenol
Concen: 94.493 ng
RT: 10.745 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:330 Resp: 12672

Ion	Ratio	Lower	Upper
330	100		
332	99.5	77.4	116.2
141	31.7	24.1	36.1



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Manual Integrations
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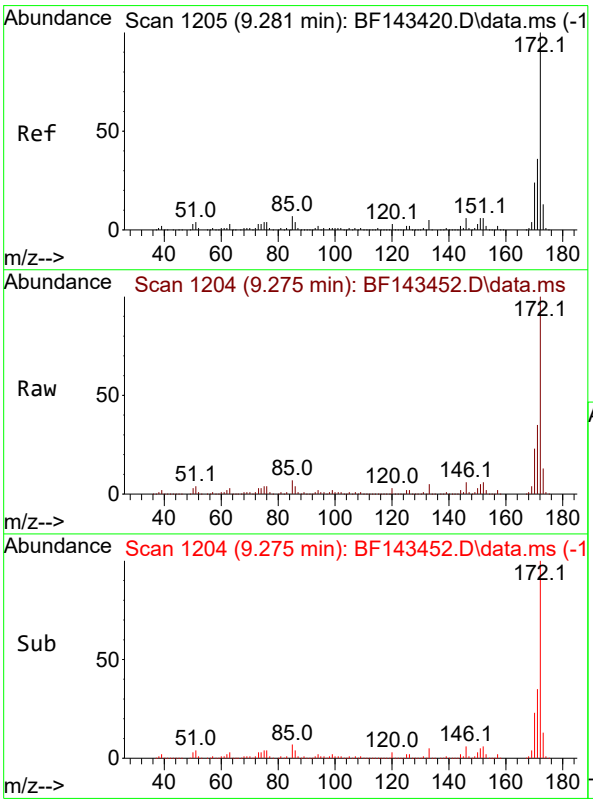
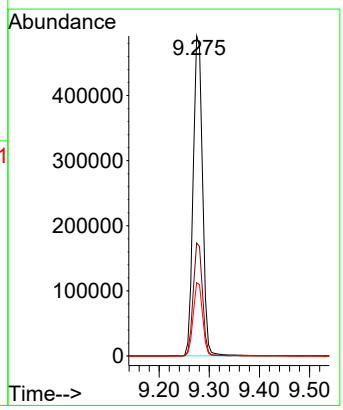
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

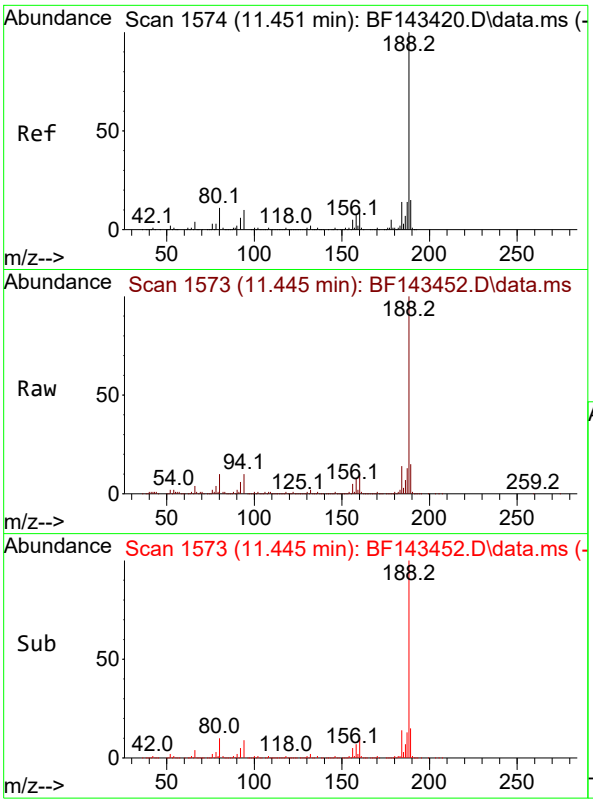


#45
2-Fluorobiphenyl
Concen: 71.302 ng
RT: 9.275 min Scan# 1204
Delta R.T. -0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:172 Resp: 638703

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.7	43.1
170	22.9	19.0	28.6

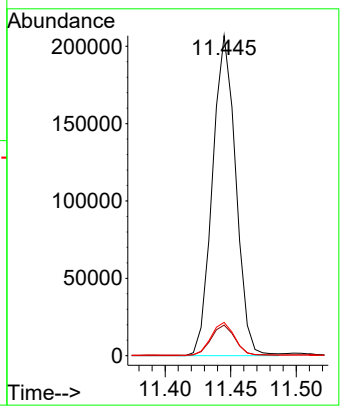




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:188 Resp: 25585

Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.0	12.0
80	10.4	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

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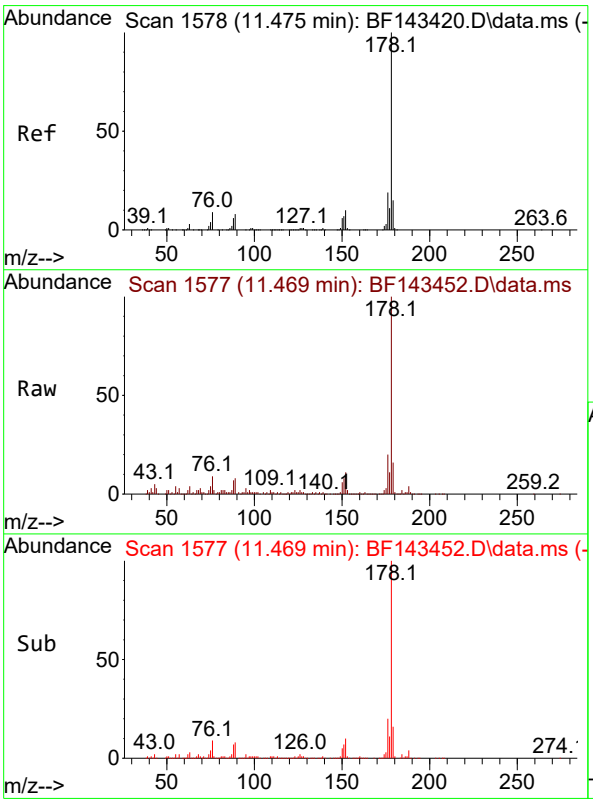
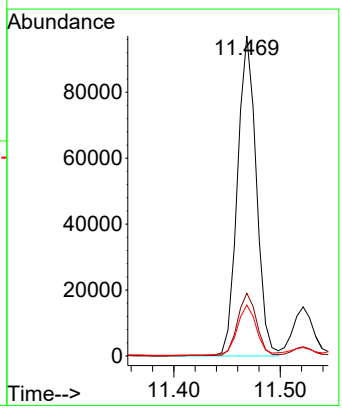
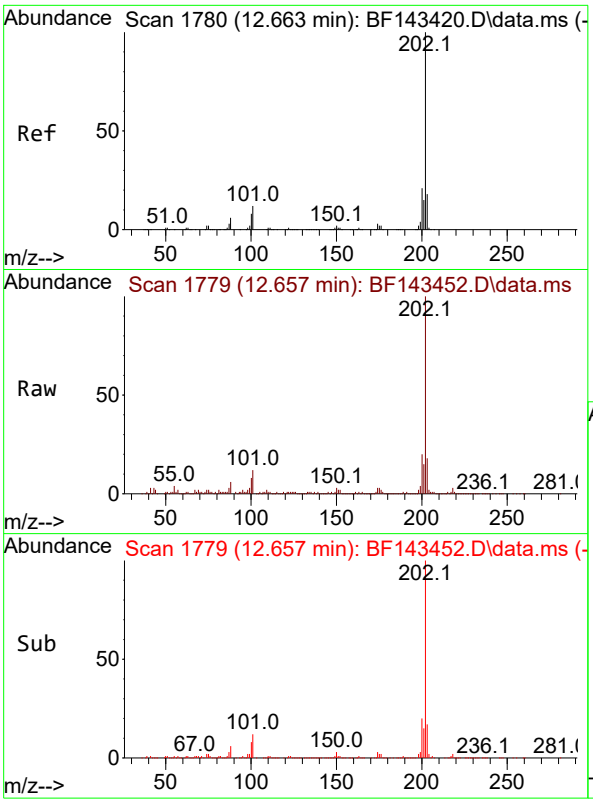


#71
Phenanthrene
Concen: 8.641 ng
RT: 11.469 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:178 Resp: 119727

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.0
179	15.9	12.3	18.5

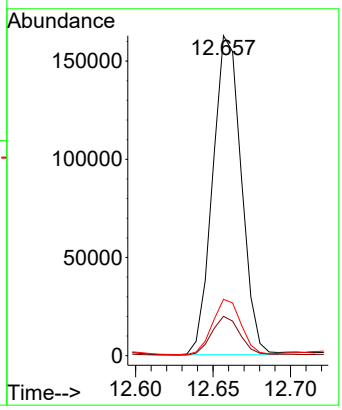




#75
Fluoranthene
Concen: 16.967 ng
RT: 12.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:202 Resp: 20887

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	31.5
203	17.6	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

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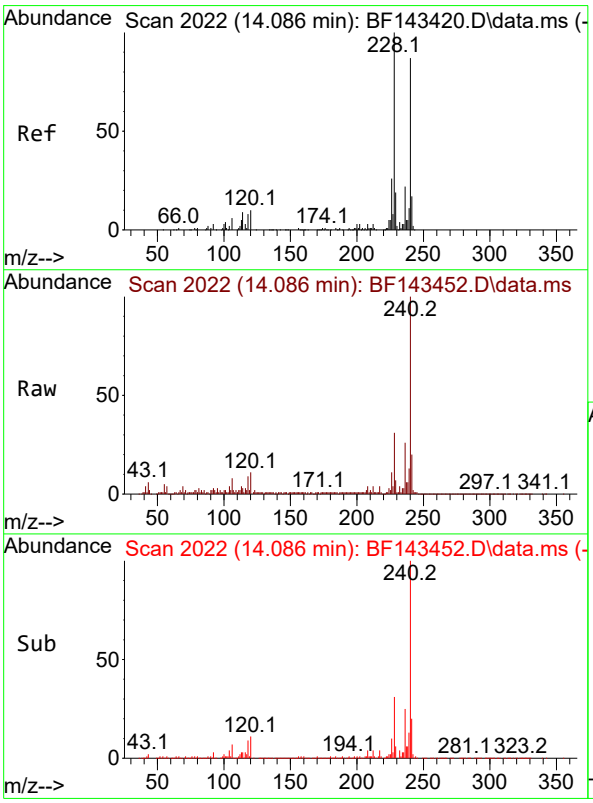
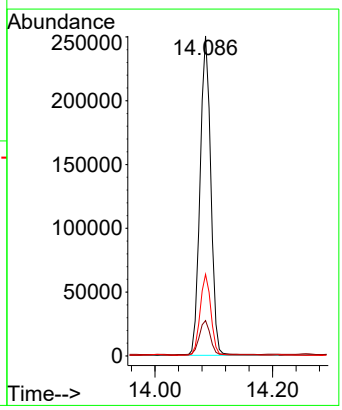
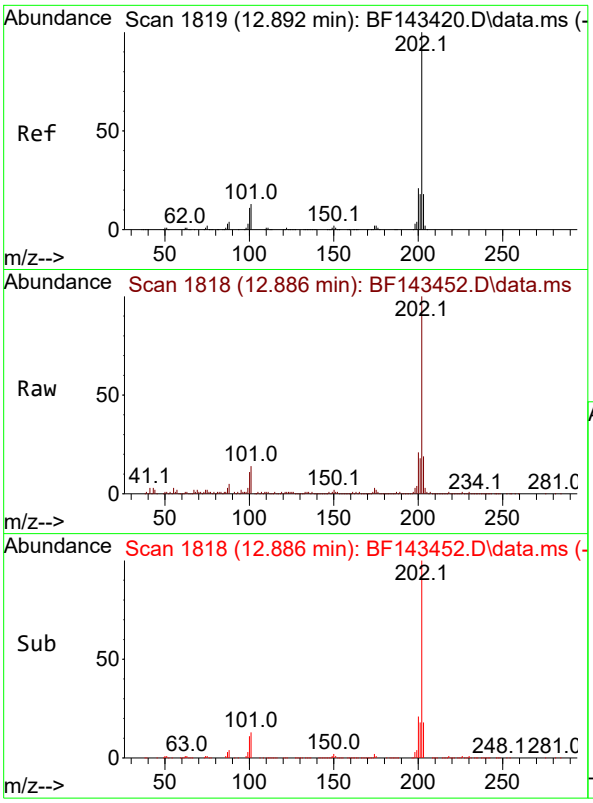


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:240 Resp: 317101

Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.0	13.4
236	25.5	20.2	30.2

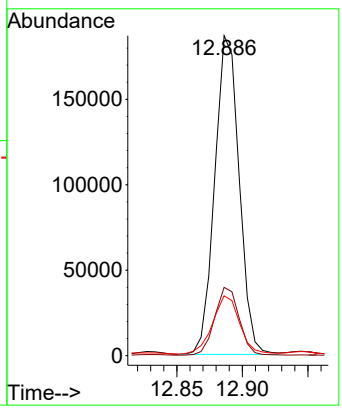




#78
Pyrene
Concen: 8.771 ng
RT: 12.886 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:202 Resp: 24173

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.1	25.7
203	18.7	14.2	21.2



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

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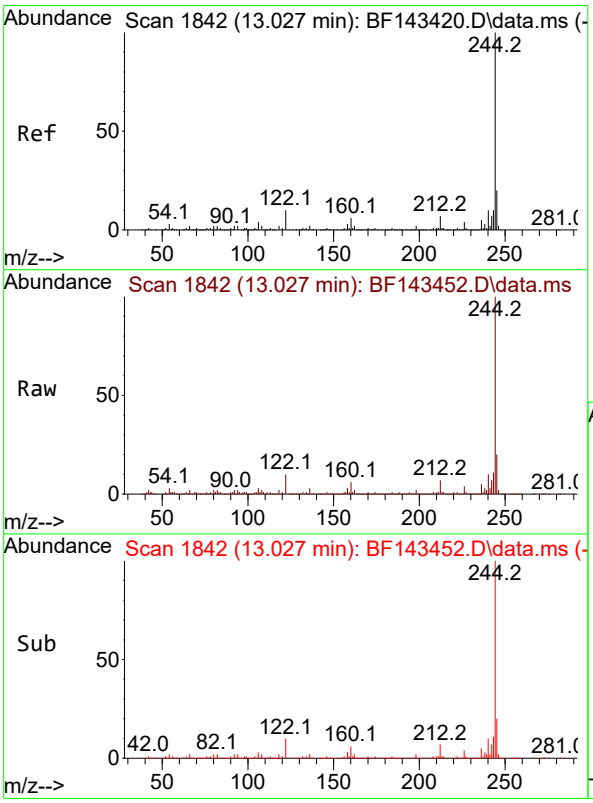
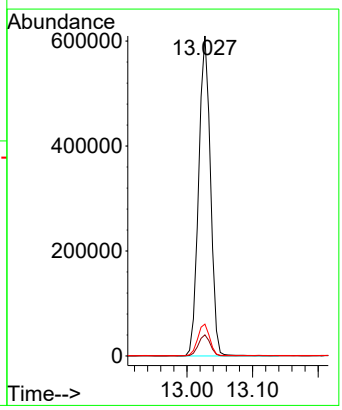
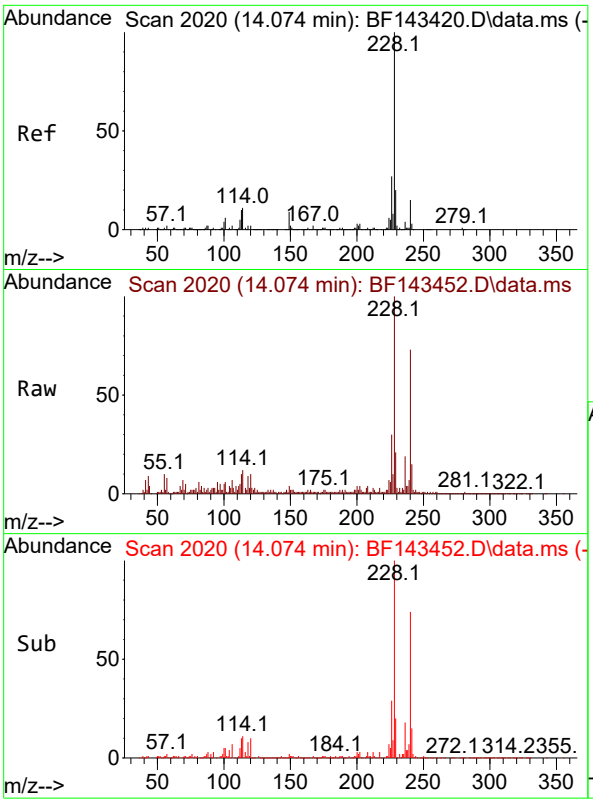


#79
Terphenyl-d14
Concen: 40.446 ng
RT: 13.027 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:244 Resp: 763485

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	10.0	8.3	12.5

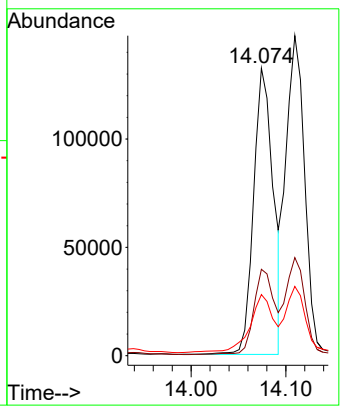




#81
Benzo(a)anthracene
Concen: 9.455 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:228 Resp: 19087

Ion	Ratio	Lower	Upper
228	100		
226	30.0	21.5	32.3
229	21.3	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

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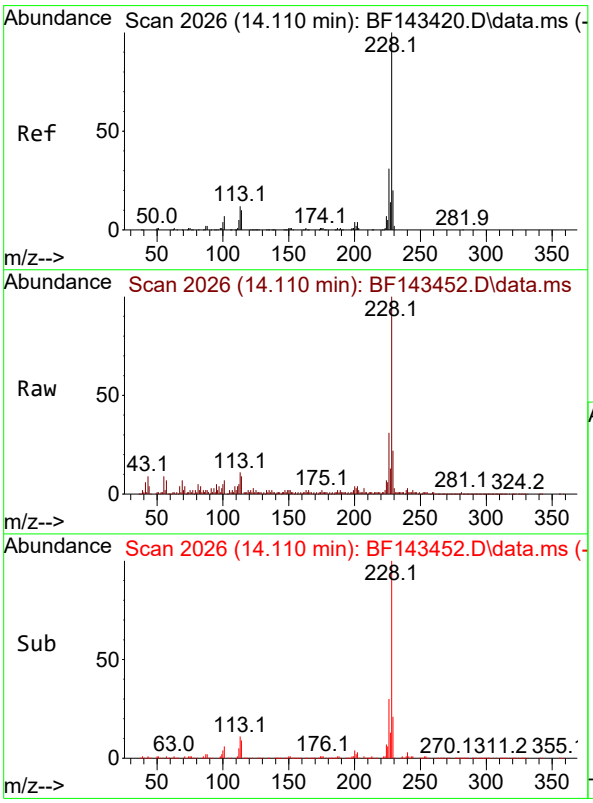
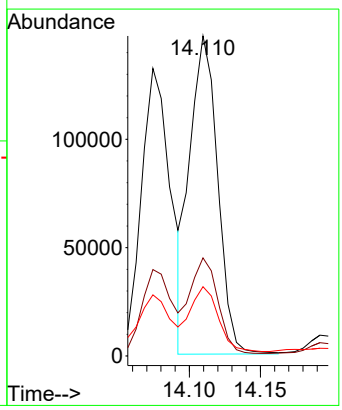
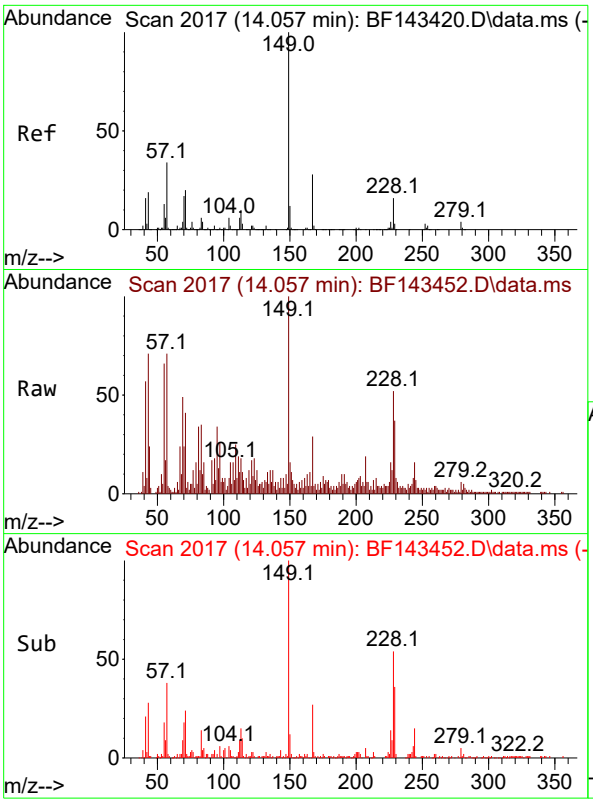


#83
Chrysene
Concen: 10.739 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:228 Resp: 200424

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.3	36.5
229	21.7	16.1	24.1

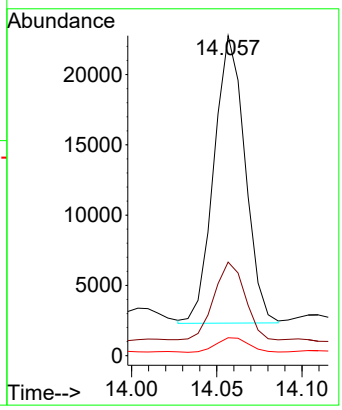




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.681 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:149 Resp: 2599

Ion	Ratio	Lower	Upper
149	100		
167	29.3	22.6	33.8
279	5.6	3.5	5.3



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

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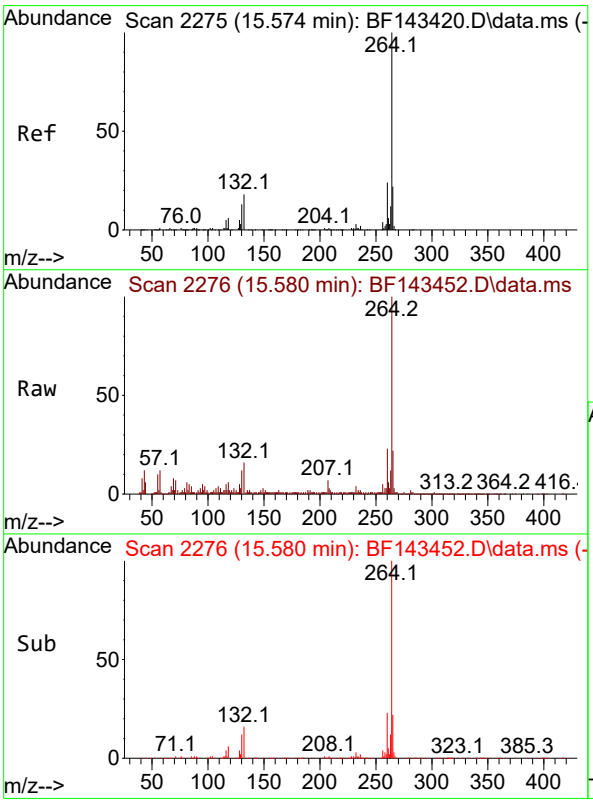
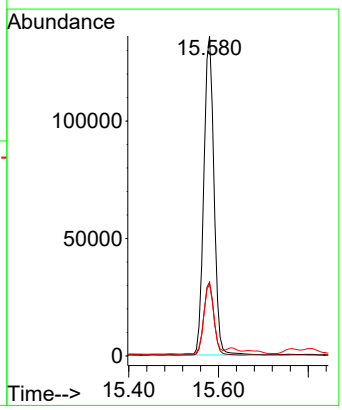
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

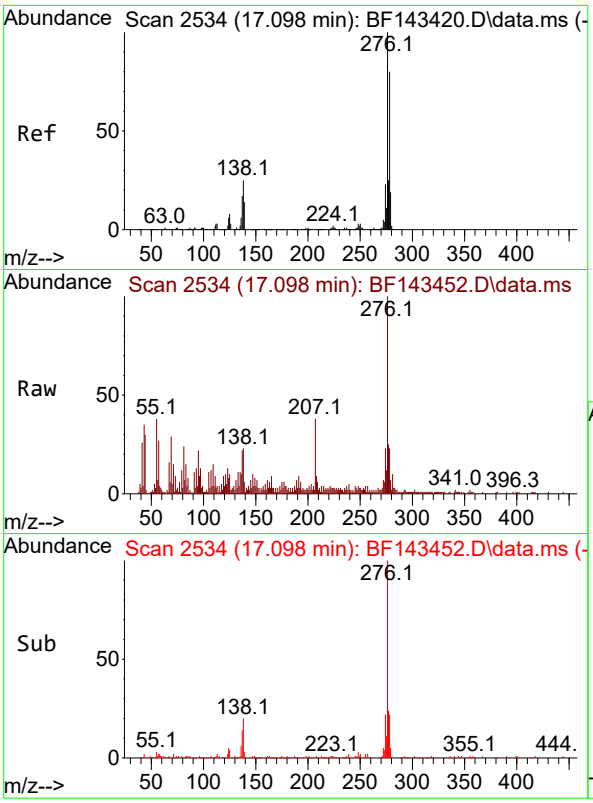


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:264 Resp: 213178

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.8	28.2
265	22.4	17.4	26.0

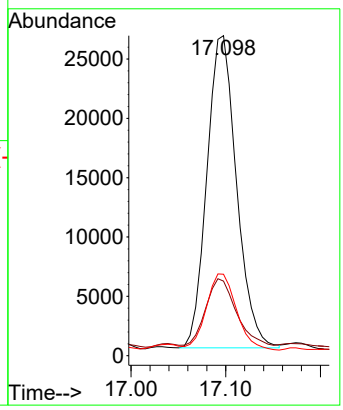




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.584 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:276 Resp: 5729

Ion	Ratio	Lower	Upper
276	100		
138	21.4	20.2	30.4
277	24.9	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

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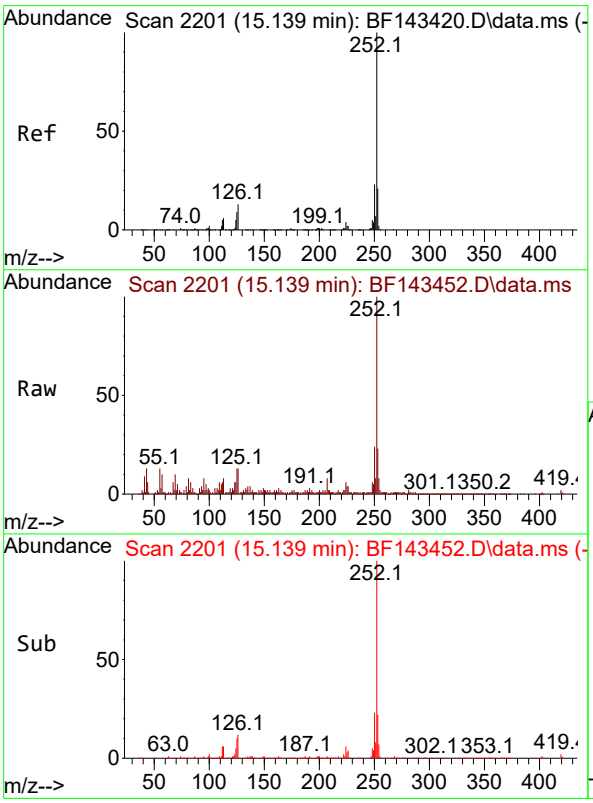
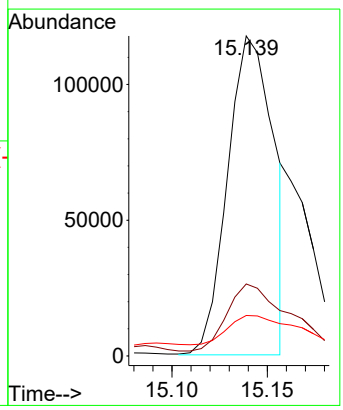
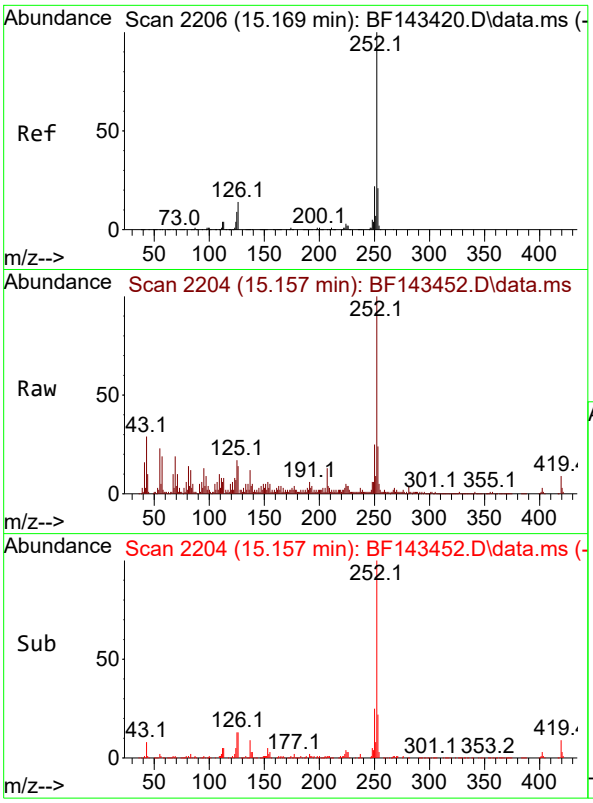


#88
Benzo(b)fluoranthene
Concen: 17.249 ng m
RT: 15.139 min Scan# 2201
Delta R.T. -0.000 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:252 Resp: 197074

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	12.6	7.5	11.3#

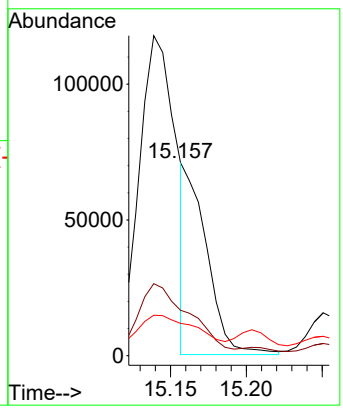




#89
Benzo(k)fluoranthene
Concen: 6.181 ng m
RT: 15.157 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:252 Resp: 6965

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.2	25.8
125	16.8	7.4	11.2



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

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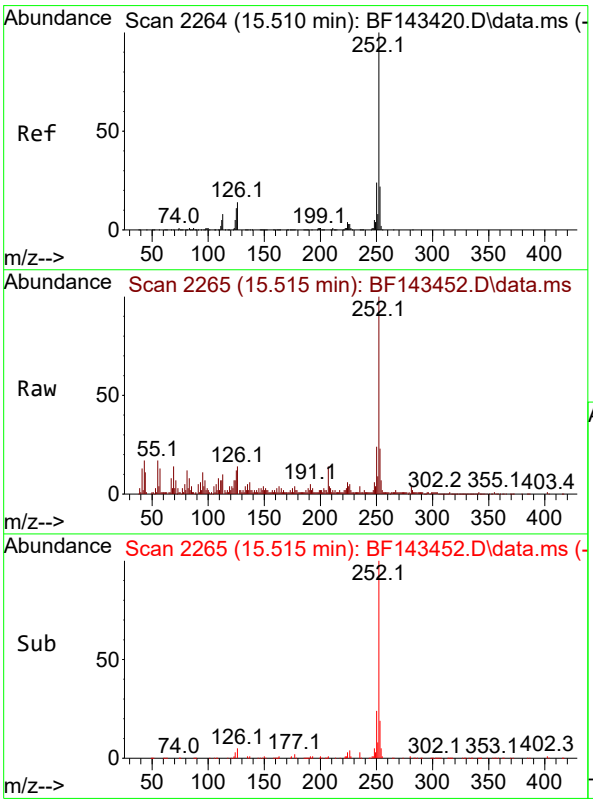
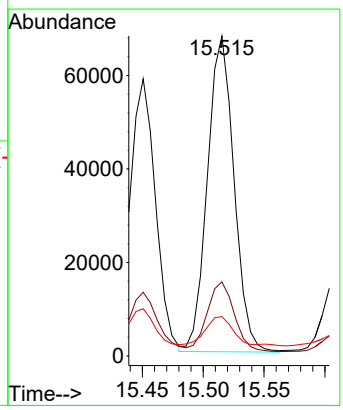
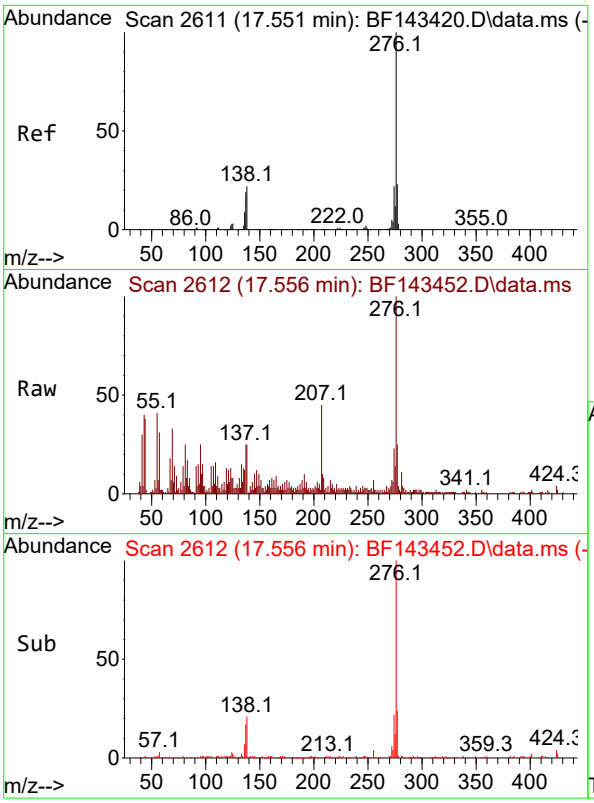


#90
Benzo(a)pyrene
Concen: 9.441 ng
RT: 15.515 min Scan# 2265
Delta R.T. 0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:252 Resp: 102742

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.2
125	12.3	8.6	12.8

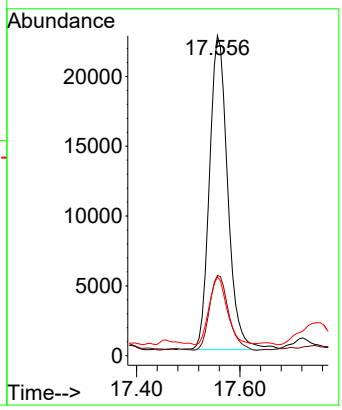




#92
Benzo(g,h,i)perylene
Concen: 4.302 ng
RT: 17.556 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:276 Resp: 5517

Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.7	28.1
138	24.6	17.5	26.3



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Manual Integrations
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Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143452.D
Acq On : 19 Aug 2025 13:01
Operator : RC/JU
Sample : Q2879-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143452.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.240	3	8	18	rVB	581282	912463	21.72%	2.523%
2	5.151	491	503	516	rVB	146068	230920	5.50%	0.638%
3	5.563	567	573	590	rBV	1352102	1872685	44.58%	5.177%
4	6.557	736	742	754	rBV	1325695	1764276	42.00%	4.878%
5	6.928	800	805	813	rBV	522110	672911	16.02%	1.860%
6	7.481	893	899	910	rBV	963937	1236892	29.44%	3.420%
7	8.204	1014	1022	1030	rBV	554644	715381	17.03%	1.978%
8	9.275	1199	1204	1213	rBV	1436820	1844204	43.90%	5.099%
9	9.622	1256	1263	1269	rBV5	21501	47787	1.14%	0.132%
10	9.822	1292	1297	1302	rBV	34928	50044	1.19%	0.138%
11	9.957	1315	1320	1325	rBV	514024	657908	15.66%	1.819%
12	10.669	1436	1441	1447	rBV	120308	163271	3.89%	0.451%
13	10.745	1449	1454	1470	rVB	758238	1022035	24.33%	2.826%
14	10.869	1470	1475	1482	rBV4	24045	49544	1.18%	0.137%
15	10.980	1490	1494	1499	rVB2	50800	71050	1.69%	0.196%
16	11.339	1552	1555	1561	rVB	28854	42391	1.01%	0.117%
17	11.445	1568	1573	1576	rBV	514187	746782	17.78%	2.065%
18	11.674	1606	1612	1619	rBV4	22523	68747	1.64%	0.190%
19	11.969	1653	1662	1673	rBV3	390315	792590	18.87%	2.191%
20	12.057	1674	1677	1680	rBV	69538	98183	2.34%	0.271%
21	12.145	1688	1692	1697	rBV5	67420	103816	2.47%	0.287%
22	12.498	1748	1752	1755	rBV	121276	179388	4.27%	0.496%
23	12.592	1764	1768	1775	rVB3	86865	163165	3.88%	0.451%
24	12.657	1775	1779	1784	rBV	383122	562320	13.39%	1.555%
25	12.757	1792	1796	1800	rBV	99820	144469	3.44%	0.399%
26	12.886	1813	1818	1825	rBV	412022	583833	13.90%	1.614%
27	13.027	1837	1842	1850	rVB	1592604	2054952	48.92%	5.681%
28	13.251	1877	1880	1884	rBV	75571	112392	2.68%	0.311%
29	13.321	1889	1892	1898	rVB2	77393	111423	2.65%	0.308%
30	13.927	1992	1995	2005	rVB2	478342	867403	20.65%	2.398%
31	14.086	2016	2022	2030	rBV2	800503	1606216	38.23%	4.441%
32	14.545	2096	2100	2117	rVB2	395966	1065940	25.37%	2.947%
33	14.933	2163	2166	2172	rVB	248857	334124	7.95%	0.924%
34	15.139	2197	2201	2204	rBV	296755	510702	12.16%	1.412%
35	15.204	2208	2212	2216	rVB	1286555	1756468	41.81%	4.856%
36	15.515	2262	2265	2270	rVB	172224	245903	5.85%	0.680%

Sample Results: **BF143452.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143452.D
Acq On : 19 Aug 2025 13:01
Operator : RC/JU
Sample : Q2879-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	15.580	2271	2276	2292	rVV2	373476	709475	16.89%	1.961%
38	16.045	2349	2355	2361	rVB	931321	1609301	38.31%	4.449%
39	16.321	2399	2402	2417	rVB2	296373	666242	15.86%	1.842%
40	17.751	2633	2645	2657	rBV4	1083339	4200945	100.00%	11.614%
41	17.939	2672	2677	2684	rVB	355747	783984	18.66%	2.167%
42	18.198	2714	2721	2731	rBV	653907	2213197	52.68%	6.119%
43	18.568	2776	2784	2802	rBV9	447809	2524626	60.10%	6.980%

Sum of corrected areas: 36170348

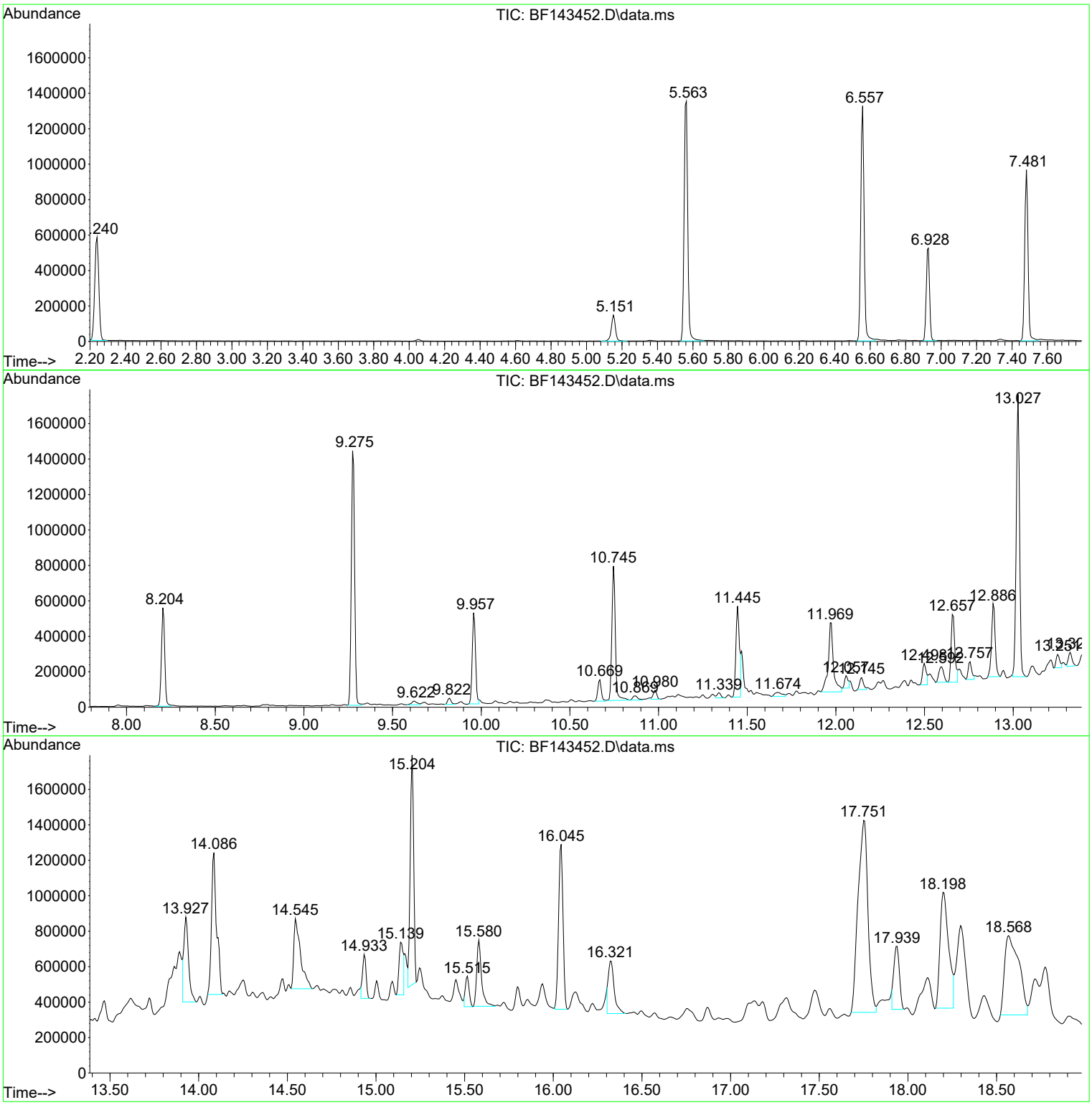
Sample Results: **BF143452.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143452.D
Acq On : 19 Aug 2025 13:01
Operator : RC/JU
Sample : Q2879-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143452.D
Acq On : 19 Aug 2025 13:01
Operator : RC/JU
Sample : Q2879-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143452.D
Acq On : 19 Aug 2025 13:01
Operator : RC/JU
Sample : Q2879-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP05-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143453.D	1	08/18/25 09:06	08/19/25 13:30	PB169285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.024	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.027	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.031	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.023	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.027	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.24		0.022	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.036	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.70		0.032	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.32		0.039	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.25		0.025	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.26		0.021	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.39		0.020	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.15	J	0.024	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.24		0.032	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.089	J	0.031	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.029	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.12	J	0.028	0.14	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	59.1		37 - 122		59%	SPK: 100
321-60-8	2-Fluorobiphenyl	60.6		44 - 115		61%	SPK: 100
1718-51-0	Terphenyl-d14	41.9	*	54 - 127		42%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	93200	6.928				
1146-65-2	Naphthalene-d8	315000	8.204				
15067-26-2	Acenaphthene-d10	143000	9.957				
1517-22-2	Phenanthrene-d10	276000	11.445				
1719-03-5	Chrysene-d12	302000	14.086				
1520-96-3	Perylene-d12	207000	15.58				
TENTATIVE IDENTIFIED COMPOUNDS							

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP05-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143453.D	1	08/18/25 09:06	08/19/25 13:30	PB169285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972608	Alachlor	N.D					
82-68-8	Quintozine	N.D					

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143453.D
Acq On : 19 Aug 2025 13:30
Operator : RC/JU
Sample : Q2879-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

Quant Time: Aug 19 13:59:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	93170	20.000	ng		0.00
21) Naphthalene-d8	8.204	136	315157	20.000	ng		0.00
39) Acenaphthene-d10	9.957	164	143358	20.000	ng		0.00
64) Phenanthrene-d10	11.445	188	276131	20.000	ng		0.00
76) Chrysene-d12	14.086	240	302358	20.000	ng		0.00
86) Perylene-d12	15.580	264	207438	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.563	112	409160	76.339	ng		0.00
7) Phenol-d6	6.557	99	469539	69.515	ng		0.00
23) Nitrobenzene-d5	7.481	82	313869	59.096	ng		0.00
42) 2,4,6-Tribromophenol	10.751	330	121605	95.302	ng		0.00
45) 2-Fluorobiphenyl	9.275	172	516255	60.571	ng		0.00
79) Terphenyl-d14	13.027	244	754533	41.921	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	11.469	178	98842	6.610	ng		100
75) Fluoranthene	12.663	202	260342	19.595	ng		99
78) Pyrene	12.892	202	231916	8.825	ng		99
81) Benzo(a)anthracene	14.074	228	137384	7.137	ng		95
83) Chrysene	14.110	228	130659	7.342	ng		98
84) Bis(2-ethylhexyl)phtha...	14.057	149	22096	2.390	ng		96
87) Indeno(1,2,3-cd)pyrene	17.098	276	38698	2.488	ng		94
88) Benzo(b)fluoranthene	15.139	252	122099m	10.982	ng		
89) Benzo(k)fluoranthene	15.157	252	46257m	4.218	ng		
90) Benzo(a)pyrene	15.515	252	71563	6.758	ng	#	94
92) Benzo(g,h,i)perylene	17.562	276	40674	3.259	ng		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

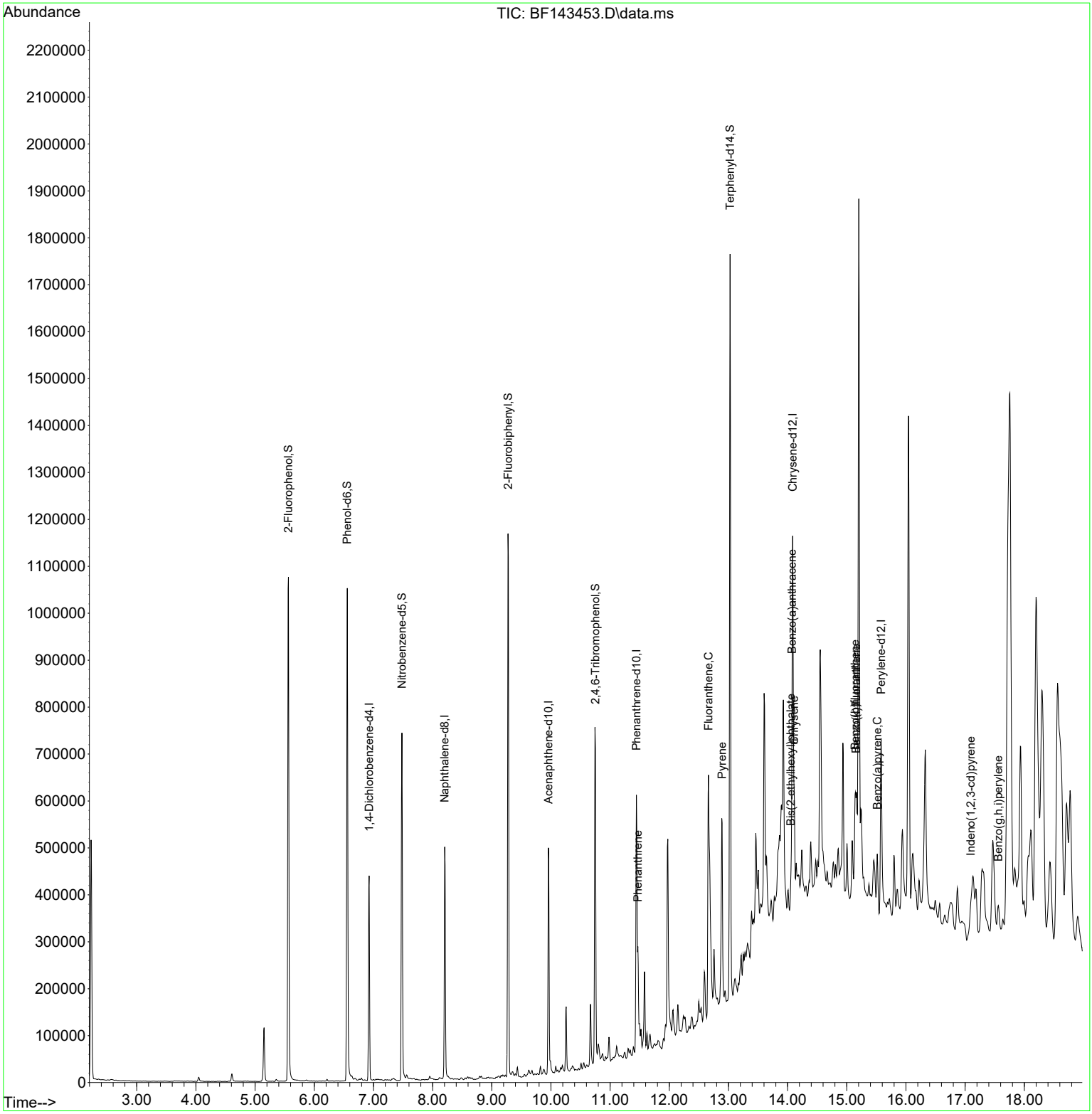
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143453.D
Acq On : 19 Aug 2025 13:30
Operator : RC/JU
Sample : Q2879-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

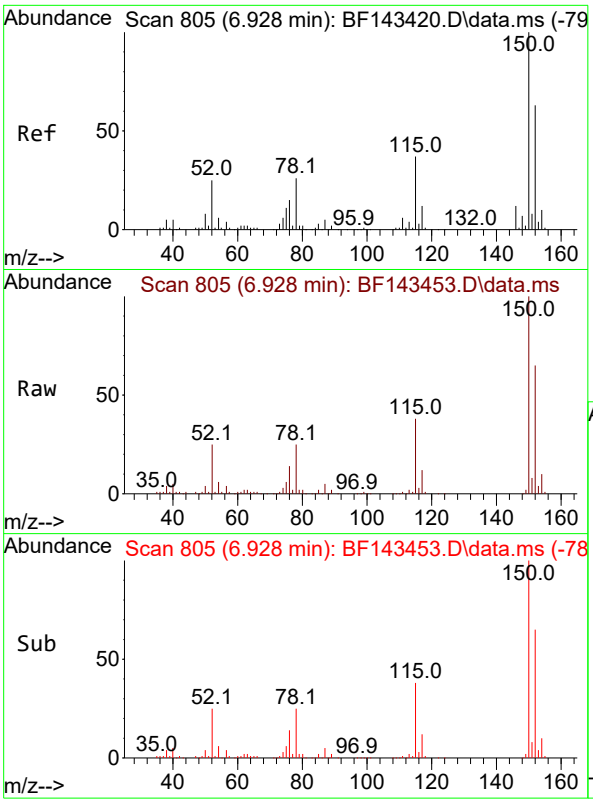
Quant Time: Aug 19 13:59:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

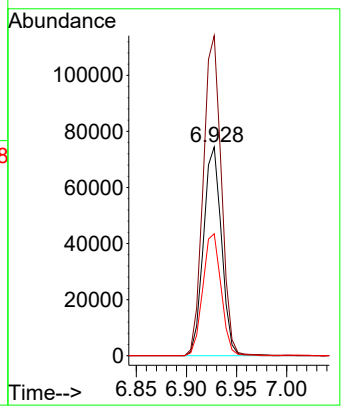




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion:152 Resp: 9317

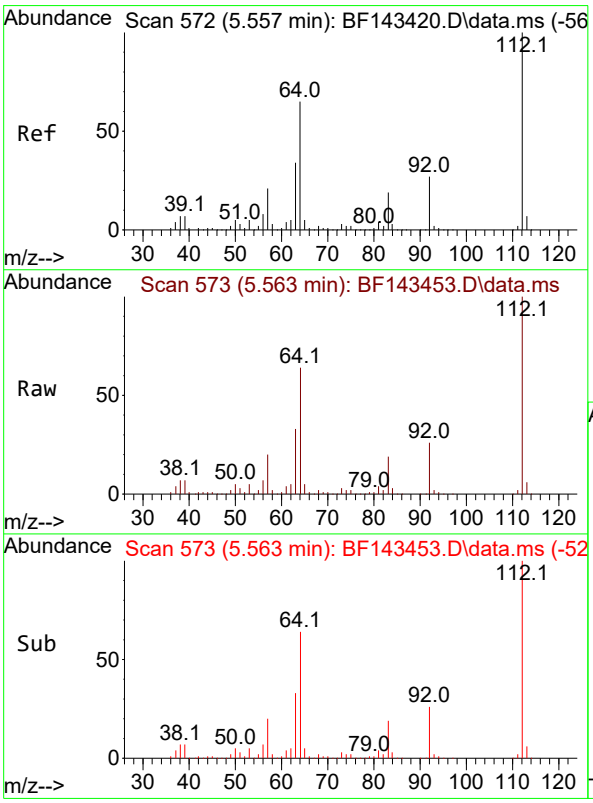
Ion	Ratio	Lower	Upper
152	100		
150	153.2	127.4	191.2
115	58.4	47.5	71.3



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Manual Integrations
APPROVED

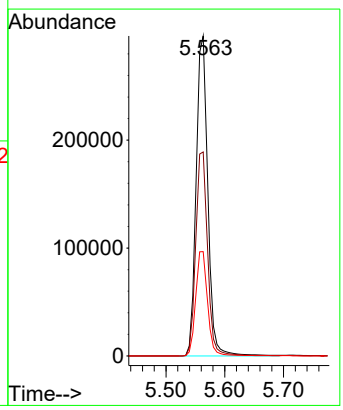
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

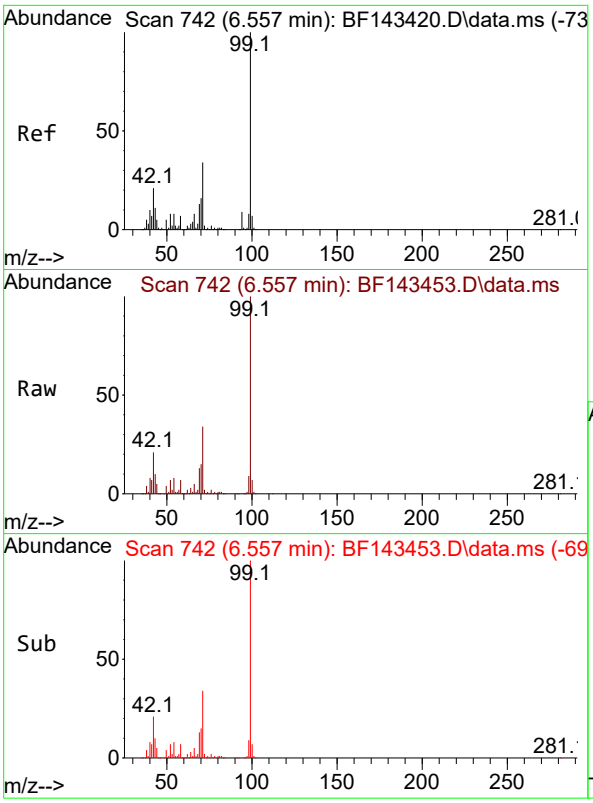


#5
2-Fluorophenol
Concen: 76.339 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.006 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion:112 Resp: 409160

Ion	Ratio	Lower	Upper
112	100		
64	63.8	52.2	78.2
63	32.6	27.0	40.6

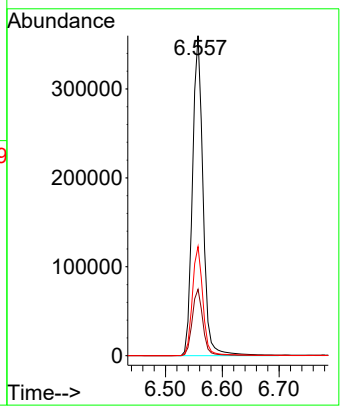




#7
Phenol-d6
Concen: 69.515 ng
RT: 6.557 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion: 99 Resp: 469539

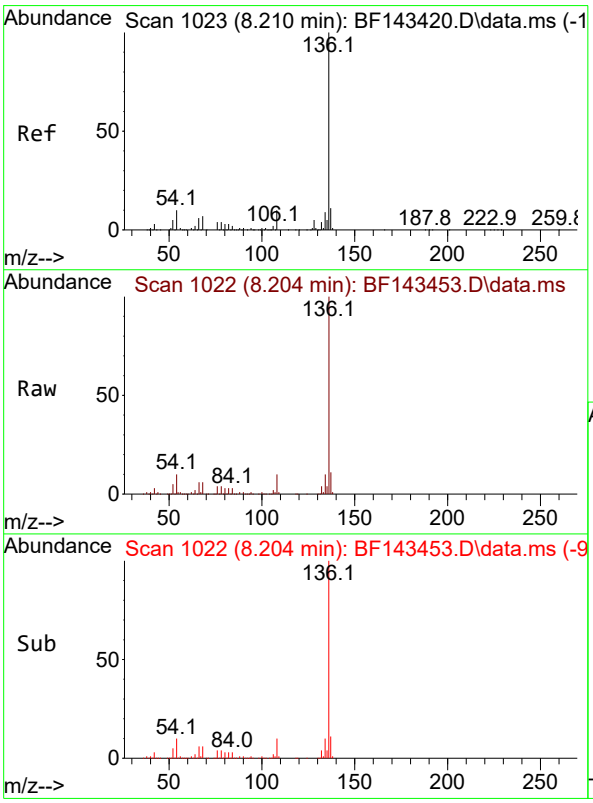
Ion	Ratio	Lower	Upper
99	100		
42	20.7	17.0	25.6
71	34.1	27.4	41.2



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Manual Integrations
APPROVED

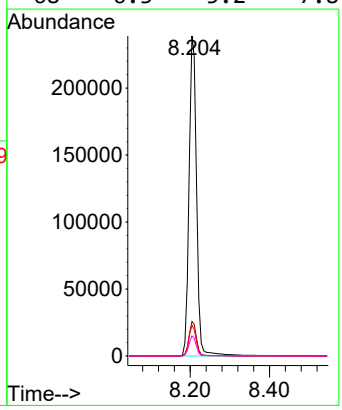
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

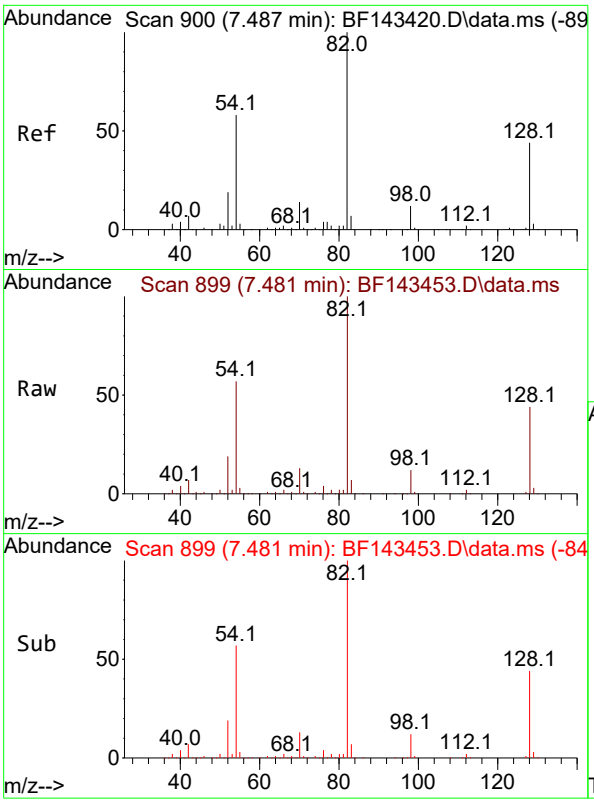


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion:136 Resp: 315157

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	9.6	7.8	11.8
68	6.3	5.2	7.8

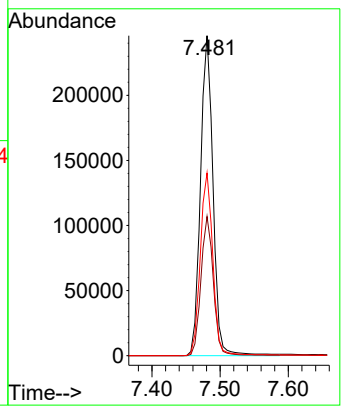




#23
Nitrobenzene-d5
Concen: 59.096 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion: 82 Resp: 31386

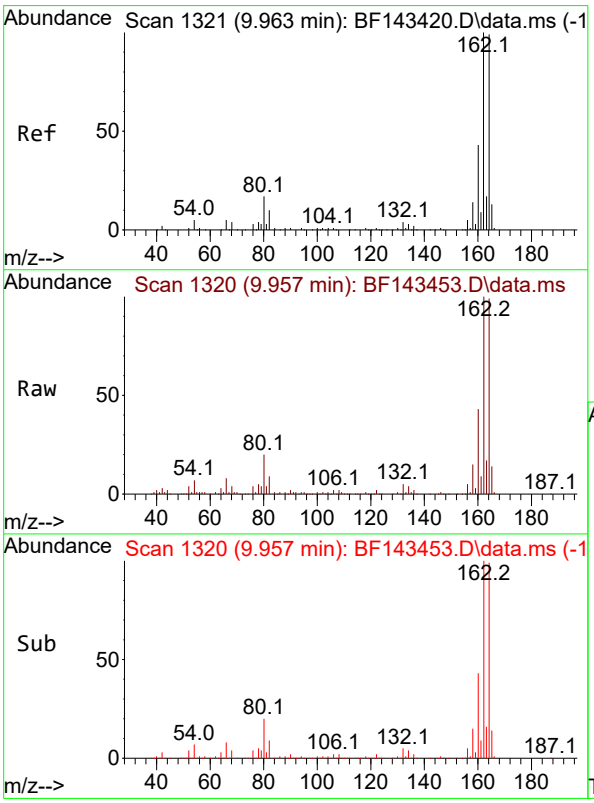
Ion	Ratio	Lower	Upper
82	100		
128	43.5	34.6	52.0
54	57.1	46.0	69.0



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Manual Integrations
APPROVED

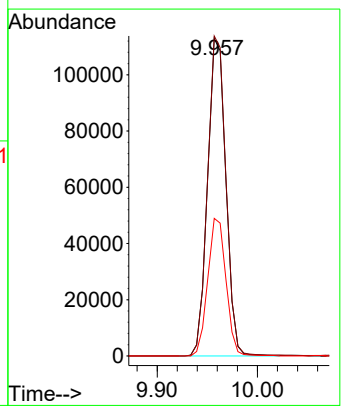
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

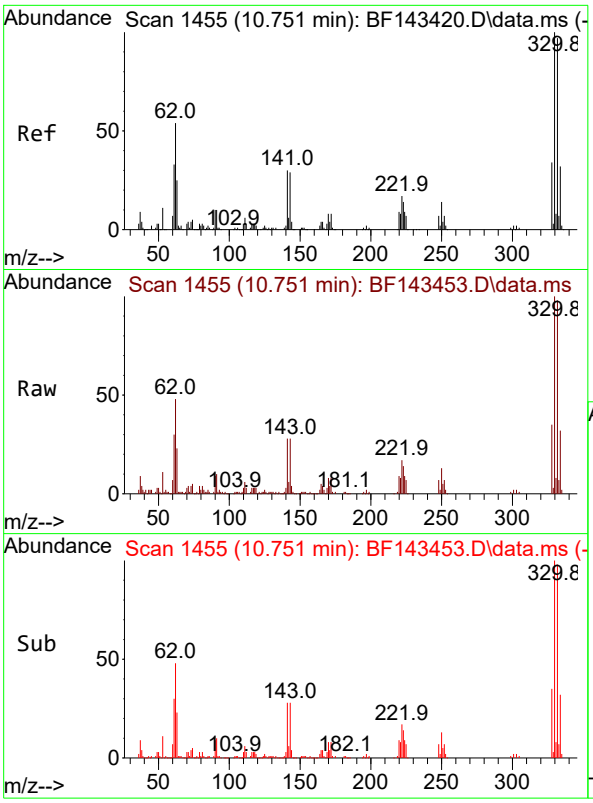


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion:164 Resp: 143358

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	121.0
160	43.4	34.6	51.8





#42
2,4,6-Tribromophenol
Concen: 95.302 ng
RT: 10.751 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion:330 Resp: 12160

Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.4	116.2
141	30.7	24.1	36.1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Manual Integrations
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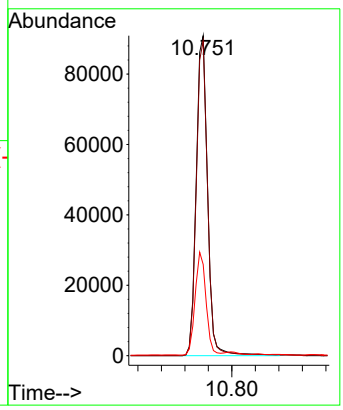
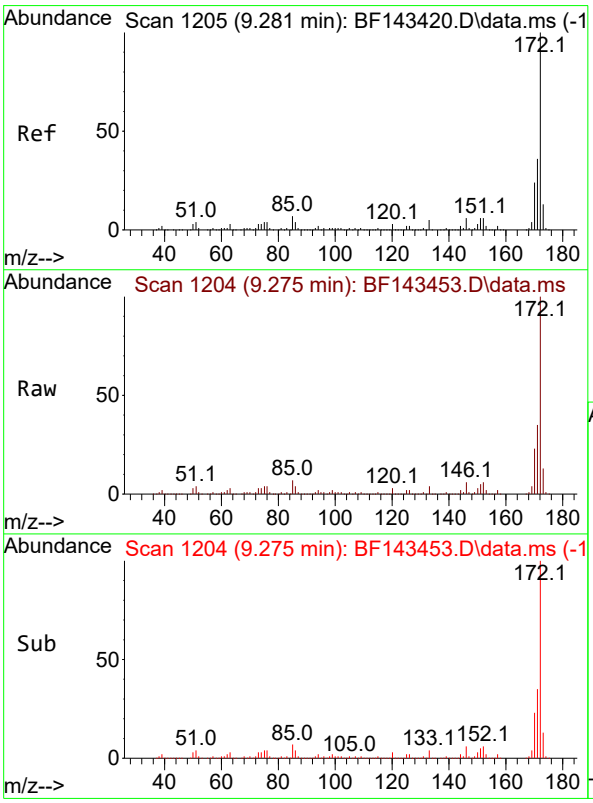
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

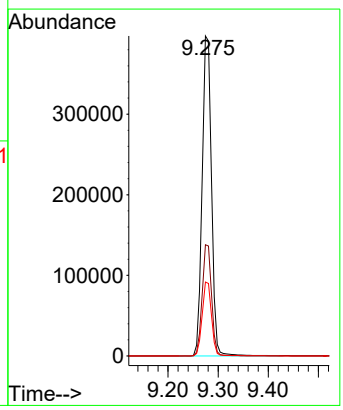


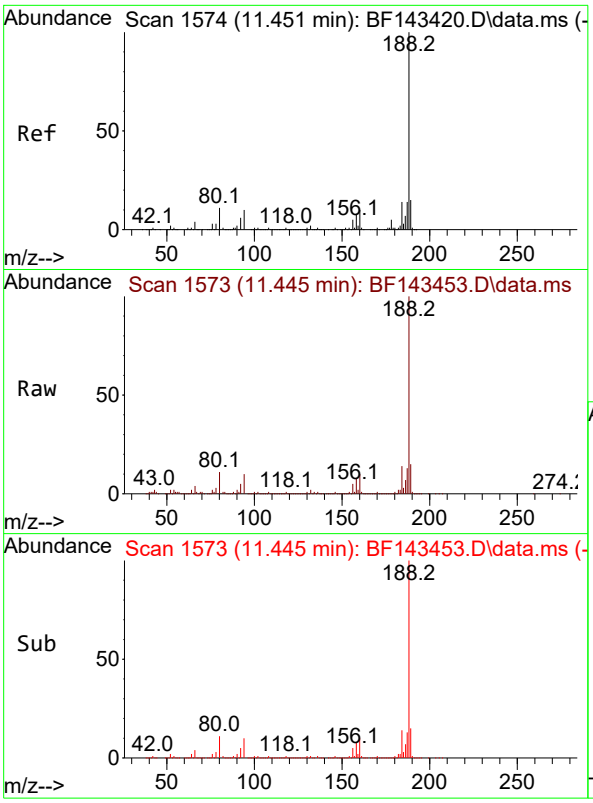


#45
2-Fluorobiphenyl
Concen: 60.571 ng
RT: 9.275 min Scan# 1204
Delta R.T. -0.006 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion:172 Resp: 516255

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.7	43.1
170	23.1	19.0	28.6

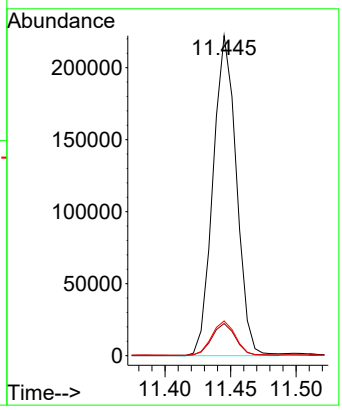




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion:188 Resp: 27613

Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.0	12.0
80	10.8	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

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Reviewed By :Rahul Chavli 08/20/2025
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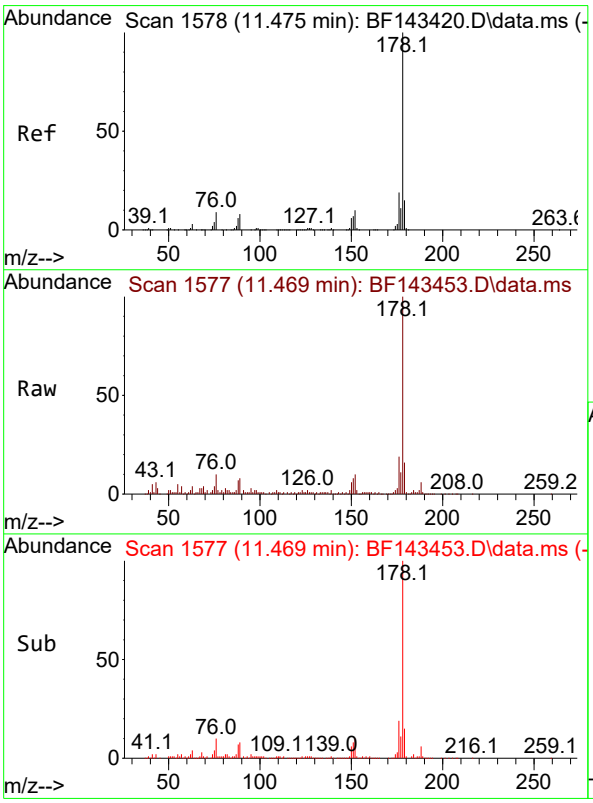
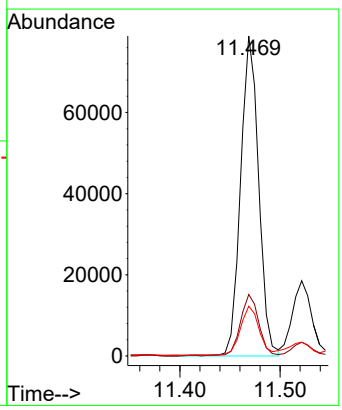
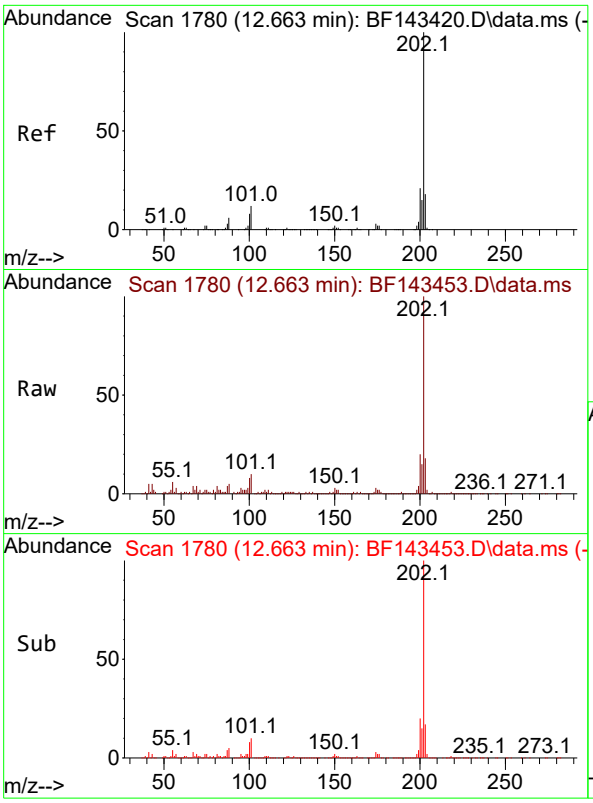


#71
Phenanthrene
Concen: 6.610 ng
RT: 11.469 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion:178 Resp: 98842

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.6	12.3	18.5

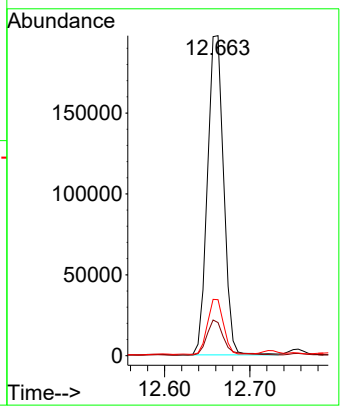




#75
Fluoranthene
Concen: 19.595 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion:202 Resp: 26034

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	31.5
203	17.5	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

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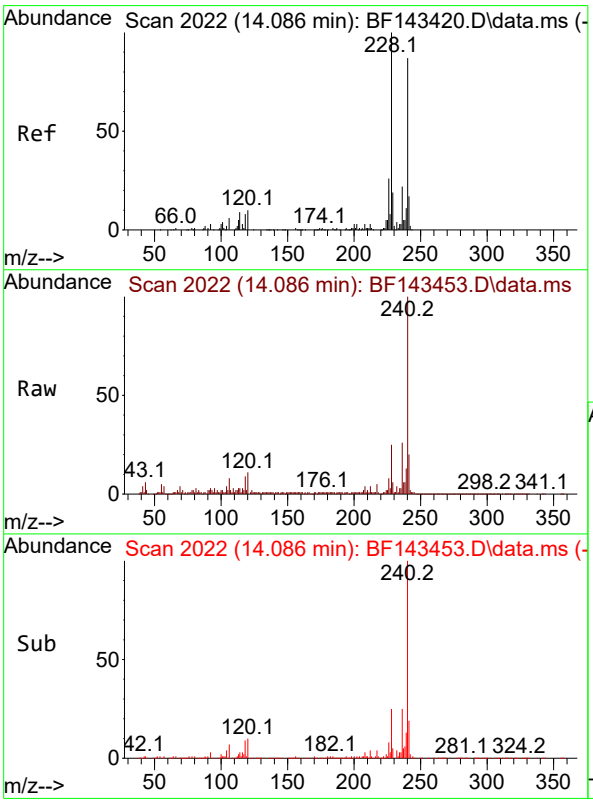
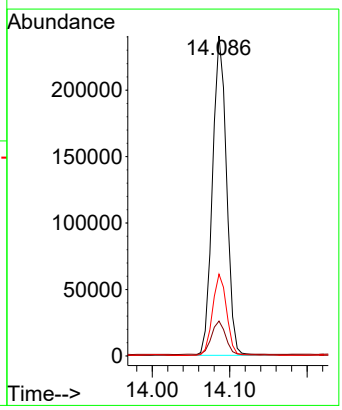
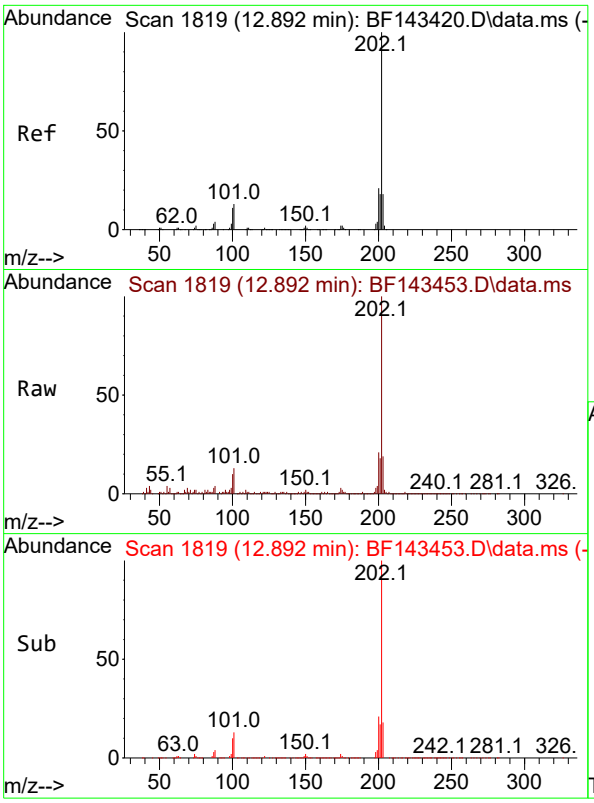


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion:240 Resp: 302358

Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.0	13.4
236	25.6	20.2	30.2

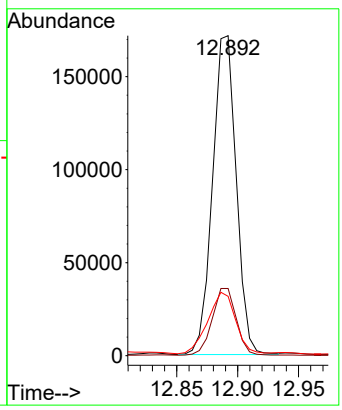




#78
Pyrene
Concen: 8.825 ng
RT: 12.892 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion:202 Resp: 23191

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.1	25.7
203	18.5	14.2	21.2



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

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Reviewed By :Rahul Chavli 08/20/2025
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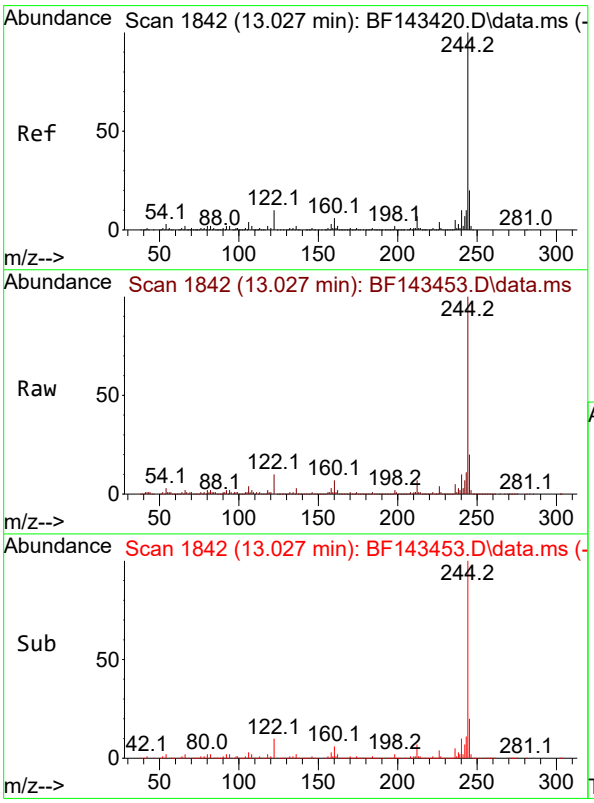
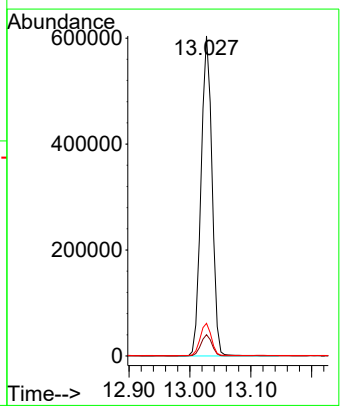
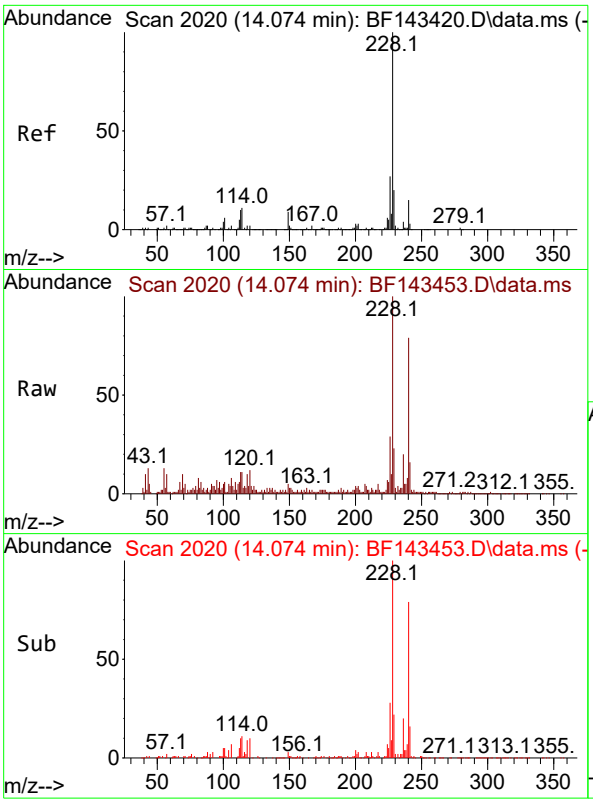


#79
Terphenyl-d14
Concen: 41.921 ng
RT: 13.027 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion:244 Resp: 754533

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	10.2	8.3	12.5

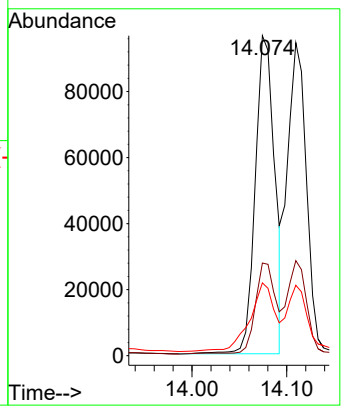




#81
Benzo(a)anthracene
Concen: 7.137 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion:228 Resp: 13738

Ion	Ratio	Lower	Upper
228	100		
226	28.9	21.5	32.3
229	22.8	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

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Reviewed By :Rahul Chavli 08/20/2025
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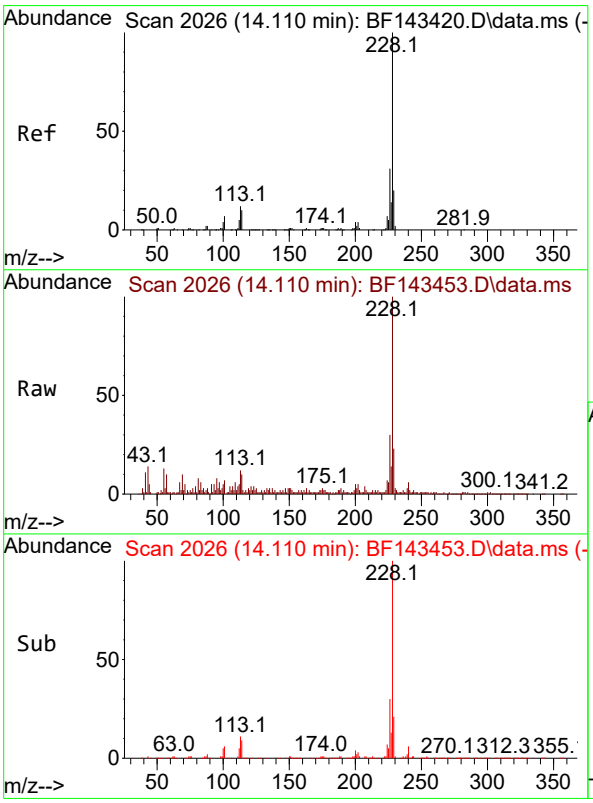
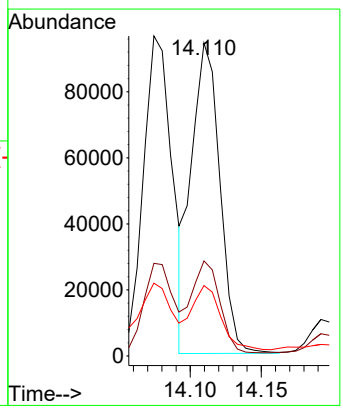
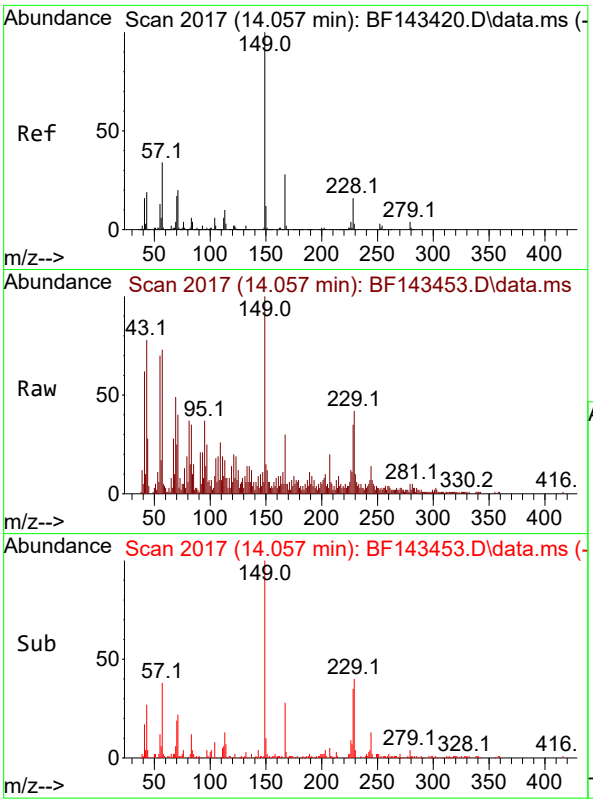


#83
Chrysene
Concen: 7.342 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion:228 Resp: 130659

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.3	36.5
229	22.5	16.1	24.1

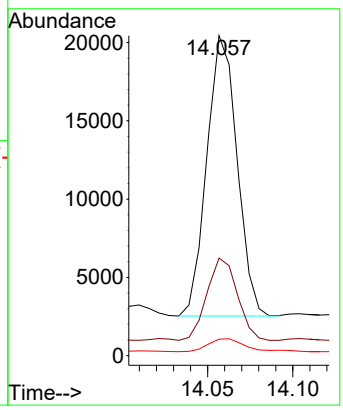




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.390 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion:149 Resp: 2209

Ion	Ratio	Lower	Upper
149	100		
167	30.5	22.6	33.8
279	5.2	3.5	5.3



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Manual Integrations
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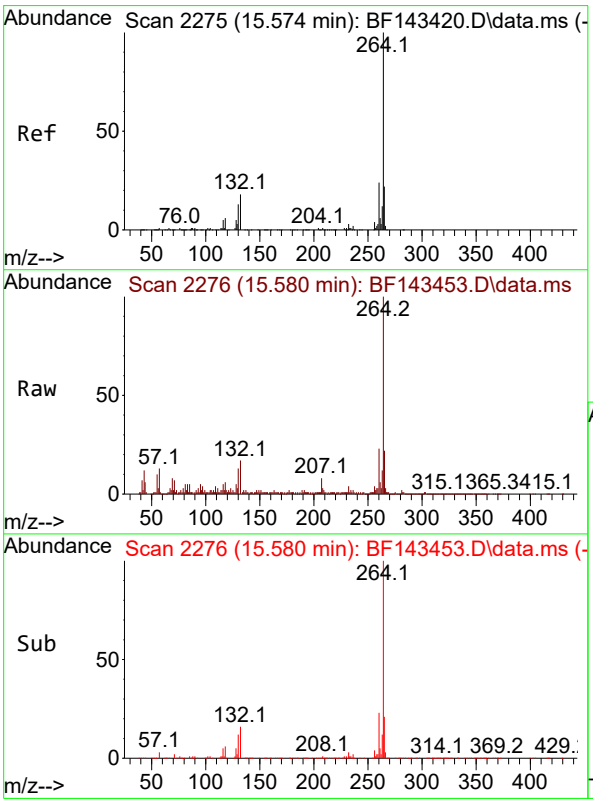
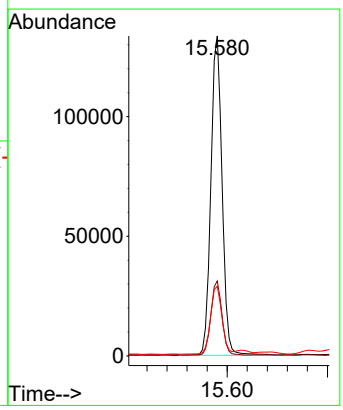
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

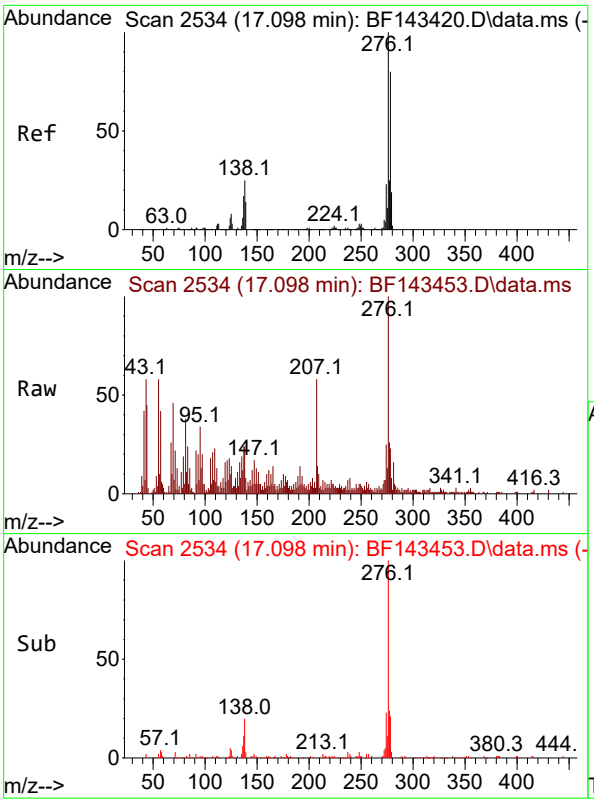


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion:264 Resp: 207438

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.8	28.2
265	21.8	17.4	26.0

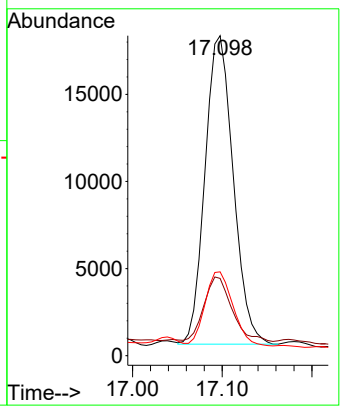




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.488 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion:276 Resp: 3869

Ion	Ratio	Lower	Upper
276	100		
138	21.1	20.2	30.4
277	23.9	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Manual Integrations
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Reviewed By :Rahul Chavli 08/20/2025
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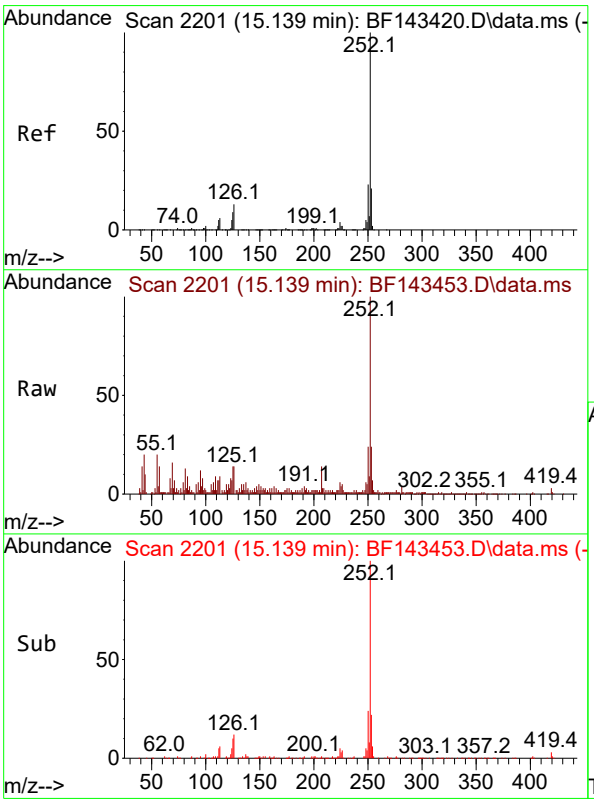
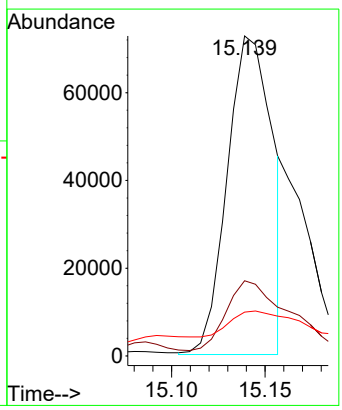
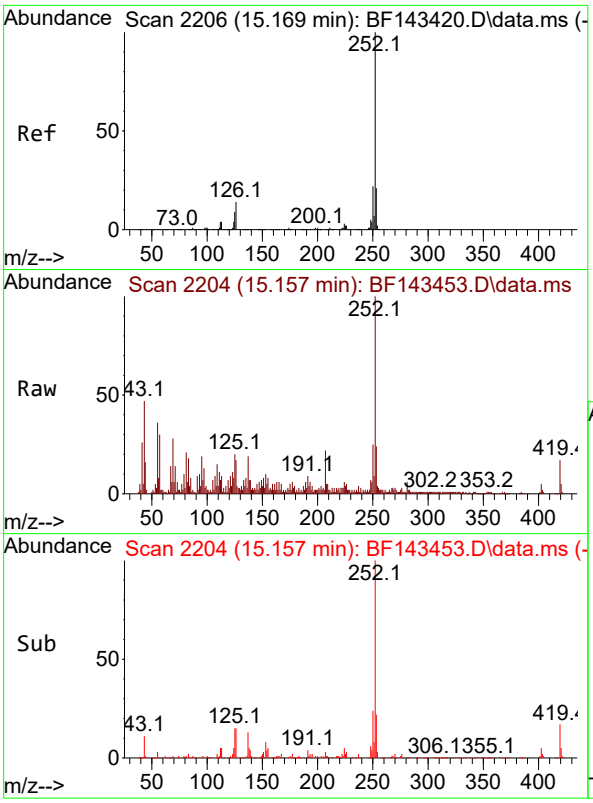


#88
Benzo(b)fluoranthene
Concen: 10.982 ng m
RT: 15.139 min Scan# 2201
Delta R.T. -0.000 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion:252 Resp: 122099

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	13.7	7.5	11.3#

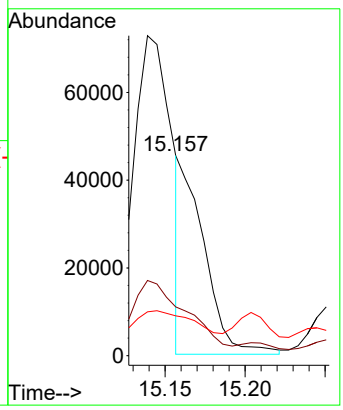




#89
Benzo(k)fluoranthene
Concen: 4.218 ng m
RT: 15.157 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion:252 Resp: 4625

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.2	25.8
125	19.9	7.4	11.2#



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Manual Integrations
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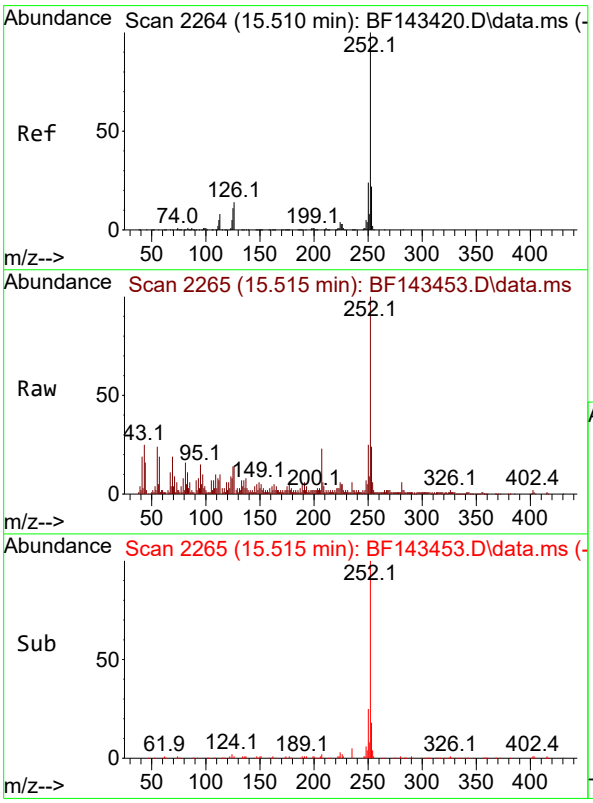
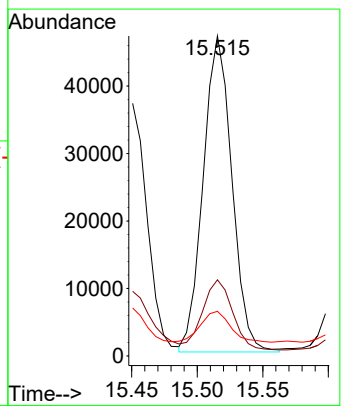
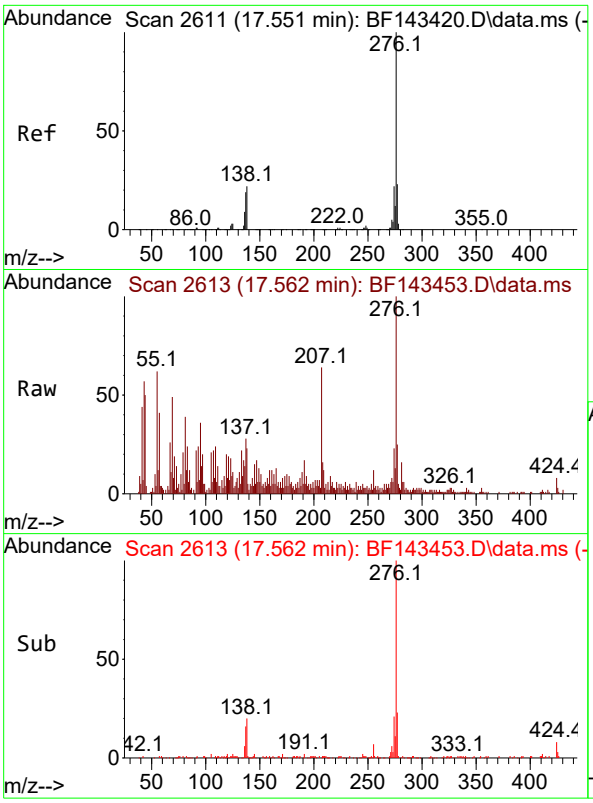


#90
Benzo(a)pyrene
Concen: 6.758 ng
RT: 15.515 min Scan# 2265
Delta R.T. 0.006 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion:252 Resp: 71563

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.2
125	14.0	8.6	12.8#

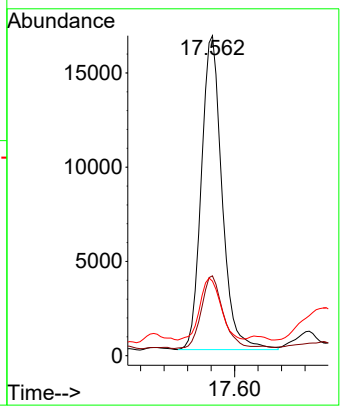




#92
Benzo(g,h,i)perylene
Concen: 3.259 ng
RT: 17.562 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion:276 Resp: 4067

Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.7	28.1
138	23.3	17.5	26.3



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Manual Integrations
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Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

Sample Results: **BF143453.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143453.D
Acq On : 19 Aug 2025 13:30
Operator : RC/JU
Sample : Q2879-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143453.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.228	3	6	15	rVB	509327	749943	16.15%	2.069%
2	5.151	495	503	515	rVB	114410	177613	3.83%	0.490%
3	5.563	567	573	592	rBV	1072618	1488914	32.07%	4.109%
4	6.557	737	742	753	rBV	1049338	1370329	29.51%	3.781%
5	6.928	799	805	815	rBV	436306	554083	11.93%	1.529%
6	7.481	893	899	909	rBV	740696	949587	20.45%	2.620%
7	8.204	1015	1022	1030	rBV	494183	646267	13.92%	1.783%
8	9.275	1199	1204	1213	rBV	1157105	1477787	31.83%	4.078%
9	9.957	1315	1320	1325	rBV	482565	630654	13.58%	1.740%
10	10.257	1366	1371	1381	rBV	137126	181251	3.90%	0.500%
11	10.669	1436	1441	1447	rBV	130793	179643	3.87%	0.496%
12	10.745	1449	1454	1460	rBV	715802	951403	20.49%	2.625%
13	10.804	1460	1464	1469	rVB2	31822	62704	1.35%	0.173%
14	10.980	1490	1494	1499	rVB2	51168	72616	1.56%	0.200%
15	11.445	1568	1573	1580	rBV2	548138	972187	20.94%	2.683%
16	11.580	1592	1596	1600	rVB	157920	193896	4.18%	0.535%
17	11.675	1607	1612	1619	rBV2	29401	54342	1.17%	0.150%
18	11.974	1658	1663	1674	rVV3	425409	720642	15.52%	1.989%
19	12.063	1674	1678	1685	rVB	54345	95937	2.07%	0.265%
20	12.145	1689	1692	1697	rVB3	56039	81367	1.75%	0.225%
21	12.498	1749	1752	1756	rBV2	38894	59653	1.28%	0.165%
22	12.592	1764	1768	1775	rBV2	101980	176260	3.80%	0.486%
23	12.663	1775	1780	1792	rBV2	517454	1320409	28.44%	3.644%
24	12.757	1793	1796	1804	rVB	108517	168471	3.63%	0.465%
25	12.886	1812	1818	1825	rBV	390138	614658	13.24%	1.696%
26	13.027	1837	1842	1850	rVB	1579782	2018731	43.48%	5.571%
27	13.392	1901	1904	1907	rBV	73671	113384	2.44%	0.313%
28	13.463	1913	1916	1920	rBV3	162541	239934	5.17%	0.662%
29	13.604	1936	1940	1945	rBV2	432184	637923	13.74%	1.760%
30	13.927	1992	1995	2005	rVB2	442765	734599	15.82%	2.027%
31	14.086	2017	2022	2030	rVB2	730546	1242257	26.75%	3.428%
32	14.551	2096	2101	2118	rVB3	492827	1172118	25.24%	3.234%
33	14.933	2163	2166	2172	rVB	315827	430807	9.28%	1.189%
34	15.145	2198	2202	2203	rBV	170229	233706	5.03%	0.645%
35	15.204	2208	2212	2216	rVB	1340687	1835596	39.53%	5.065%
36	15.580	2271	2276	2291	rBV	371184	729583	15.71%	2.013%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143453.D
Acq On : 19 Aug 2025 13:30
Operator : RC/JU
Sample : Q2879-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.045	2349	2355	2361	rVB	1028034	1777601	38.28%	4.905%
38	16.327	2399	2403	2417	rVB2	339007	727476	15.67%	2.007%
39	17.756	2632	2646	2656	rBV4	1108848	4643323	100.00%	12.813%
40	17.933	2672	2676	2684	rVB	336550	733344	15.79%	2.024%
41	18.198	2714	2721	2731	rBV	632382	2122680	45.71%	5.858%
42	18.562	2775	2783	2802	rBV7	515791	2894409	62.33%	7.987%

Sum of corrected areas: 36238087

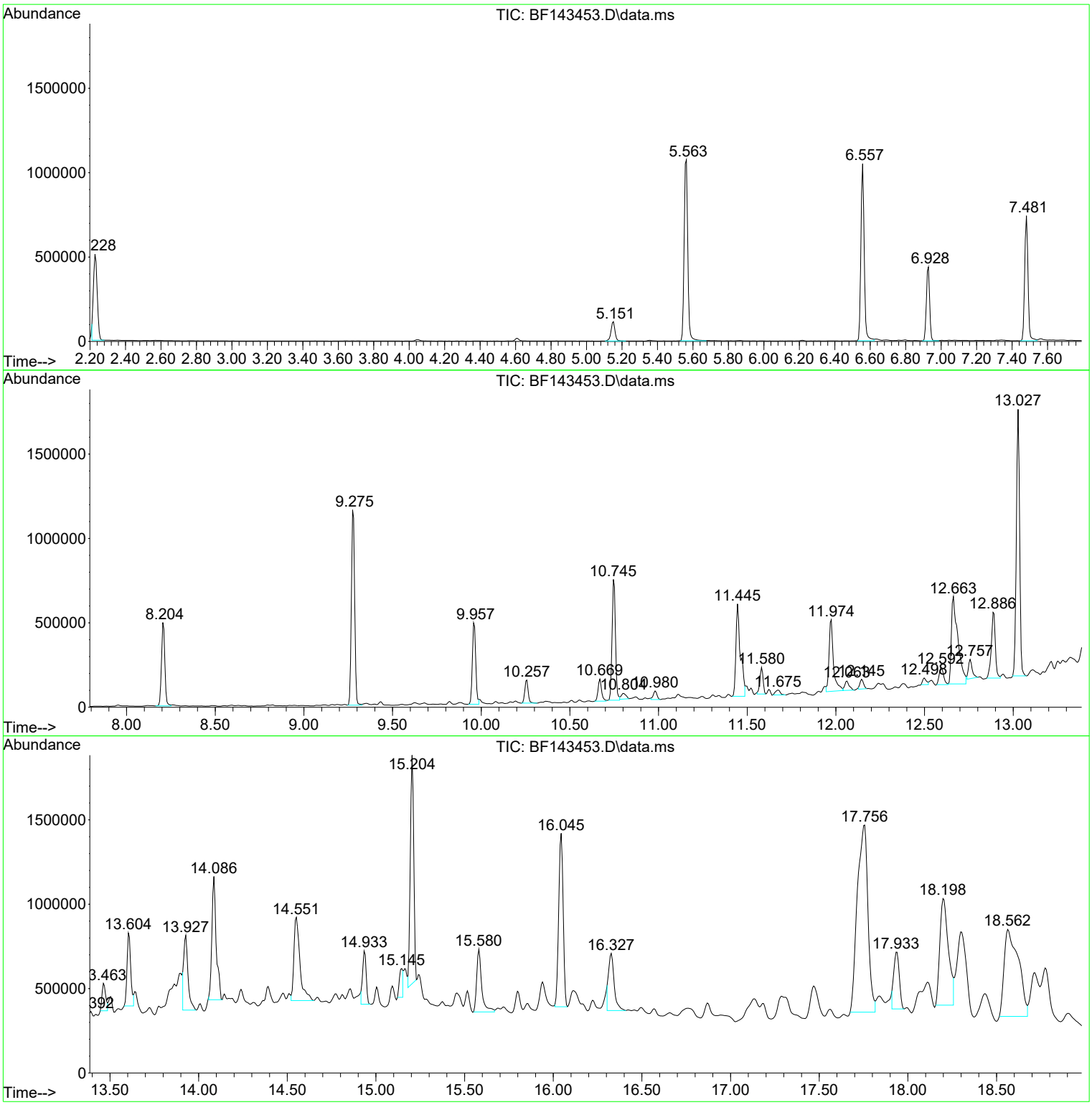
Sample Results: **BF143453.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143453.D
Acq On : 19 Aug 2025 13:30
Operator : RC/JU
Sample : Q2879-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143453.D
Acq On : 19 Aug 2025 13:30
Operator : RC/JU
Sample : Q2879-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143453.D
Acq On : 19 Aug 2025 13:30
Operator : RC/JU
Sample : Q2879-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP06-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143454.D	1	08/18/25 09:06	08/19/25 13:59	PB169285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.025	0.14	0.19	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.028	0.14	0.19	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.032	0.14	0.19	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.023	0.14	0.19	mg/Kg
86-73-7	Fluorene	0.14	U	0.028	0.14	0.19	mg/Kg
85-01-8	Phenanthrene	0.23		0.023	0.14	0.19	mg/Kg
120-12-7	Anthracene	0.14	U	0.037	0.14	0.19	mg/Kg
206-44-0	Fluoranthene	0.70		0.033	0.14	0.19	mg/Kg
129-00-0	Pyrene	0.28		0.040	0.14	0.19	mg/Kg
56-55-3	Benzo(a)anthracene	0.24		0.025	0.14	0.19	mg/Kg
218-01-9	Chrysene	0.23		0.022	0.14	0.19	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.44		0.021	0.14	0.19	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.12	J	0.025	0.14	0.19	mg/Kg
50-32-8	Benzo(a)pyrene	0.24		0.033	0.14	0.19	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.10	J	0.032	0.14	0.19	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.030	0.14	0.19	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.13	J	0.028	0.14	0.19	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	67.5		37 - 122		68%	SPK: 100
321-60-8	2-Fluorobiphenyl	67.4		44 - 115		67%	SPK: 100
1718-51-0	Terphenyl-d14	43.6	*	54 - 127		44%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	93500	6.928				
1146-65-2	Naphthalene-d8	282000	8.204				
15067-26-2	Acenaphthene-d10	137000	9.963				
1517-22-2	Phenanthrene-d10	259000	11.445				
1719-03-5	Chrysene-d12	307000	14.086				
1520-96-3	Perylene-d12	180000	15.58				
TENTATIVE IDENTIFIED COMPOUNDS							

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP06-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143454.D	1	08/18/25 09:06	08/19/25 13:59	PB169285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972608	Alachlor	N.D					
82-68-8	Quintozine	N.D					

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143454.D
Acq On : 19 Aug 2025 13:59
Operator : RC/JU
Sample : Q2879-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

Quant Time: Aug 19 14:23:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	93502	20.000	ng		0.00
21) Naphthalene-d8	8.204	136	282085	20.000	ng		0.00
39) Acenaphthene-d10	9.963	164	137092	20.000	ng		0.00
64) Phenanthrene-d10	11.445	188	259400	20.000	ng		0.00
76) Chrysene-d12	14.086	240	307100	20.000	ng		0.00
86) Perylene-d12	15.580	264	179616	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.563	112	441466	82.074	ng		0.00
7) Phenol-d6	6.557	99	544998	80.400	ng		0.00
23) Nitrobenzene-d5	7.481	82	320998	67.525	ng		0.00
42) 2,4,6-Tribromophenol	10.751	330	131990	108.169	ng		0.00
45) 2-Fluorobiphenyl	9.281	172	548973	67.354	ng		0.00
79) Terphenyl-d14	13.027	244	797904	43.646	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	11.469	178	87046	6.197	ng		100
75) Fluoranthene	12.663	202	237722	19.046	ng		99
78) Pyrene	12.892	202	206472	7.735	ng		98
81) Benzo(a)anthracene	14.080	228	129626	6.630	ng		95
83) Chrysene	14.116	228	114265	6.322	ng		98
84) Bis(2-ethylhexyl)phtha...	14.057	149	40670	4.332	ng		98
87) Indeno(1,2,3-cd)pyrene	17.098	276	38371	2.849	ng		93
88) Benzo(b)fluoranthene	15.145	252	114300m	11.873	ng		
89) Benzo(k)fluoranthene	15.163	252	31041m	3.269	ng		
90) Benzo(a)pyrene	15.515	252	59661	6.507	ng	#	92
92) Benzo(g,h,i)perylene	17.562	276	38729	3.584	ng		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

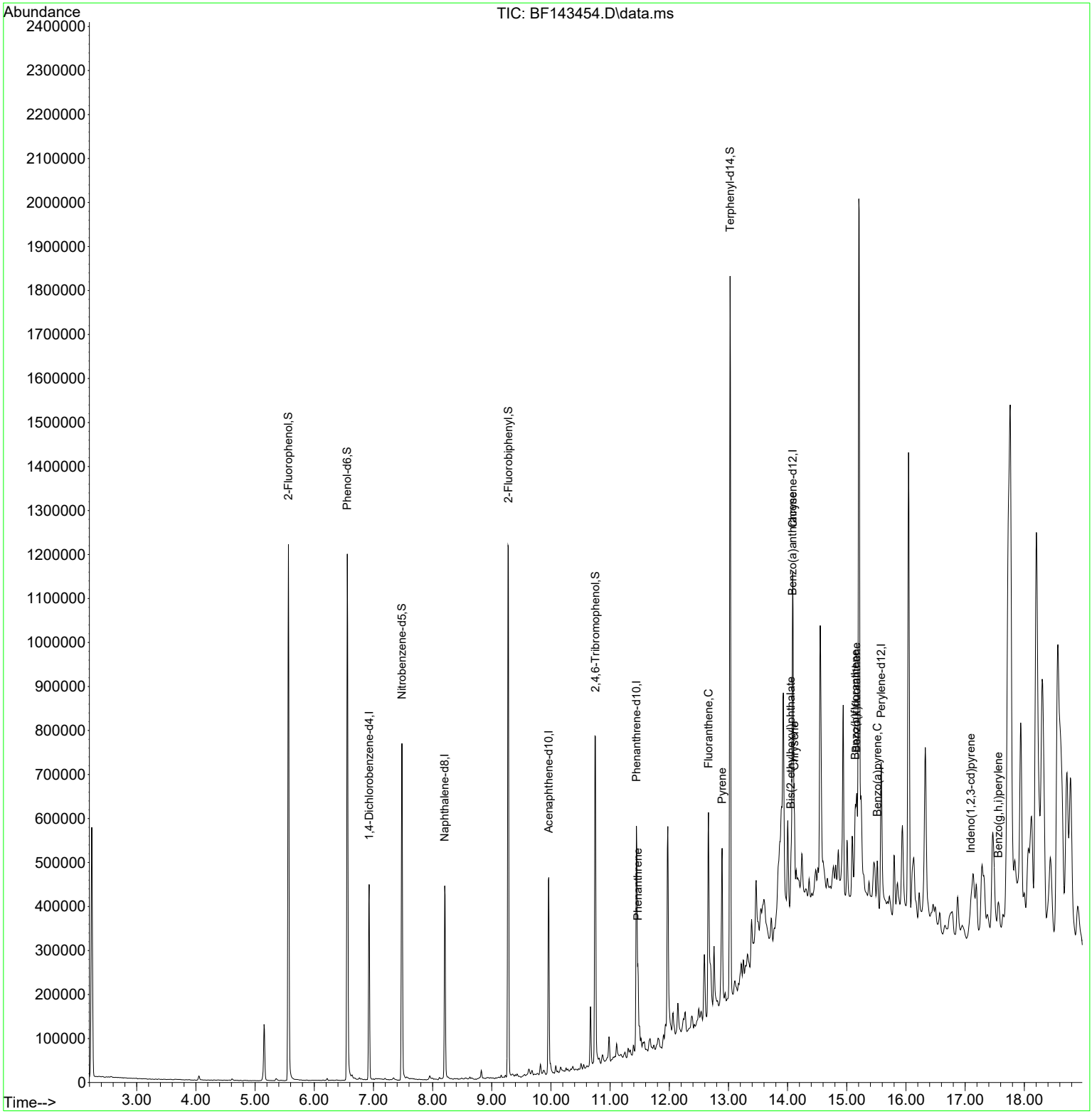
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143454.D
Acq On : 19 Aug 2025 13:59
Operator : RC/JU
Sample : Q2879-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

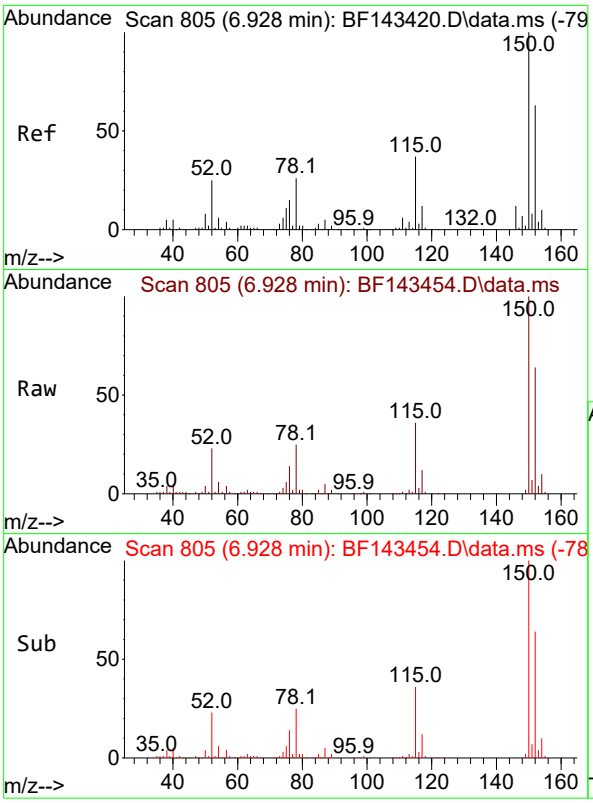
Quant Time: Aug 19 14:23:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

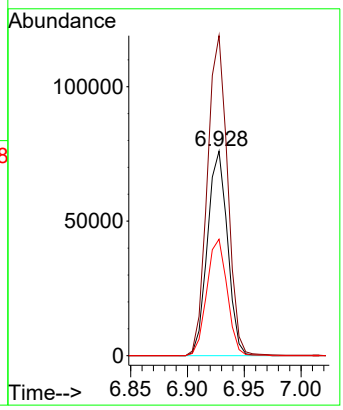




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:152 Resp: 9350

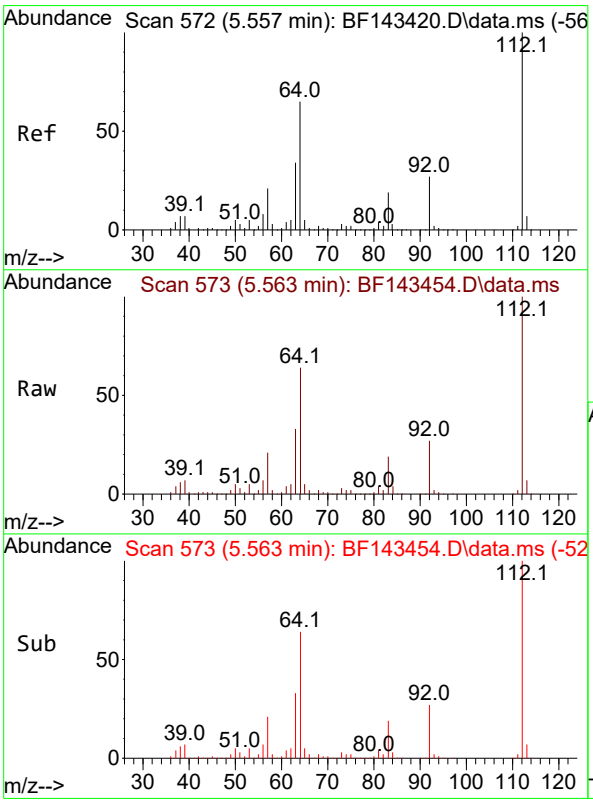
Ion	Ratio	Lower	Upper
152	100		
150	156.5	127.4	191.2
115	57.0	47.5	71.3



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Manual Integrations
APPROVED

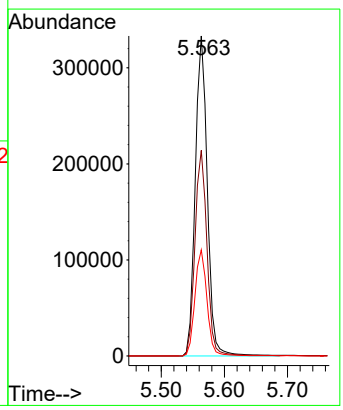
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

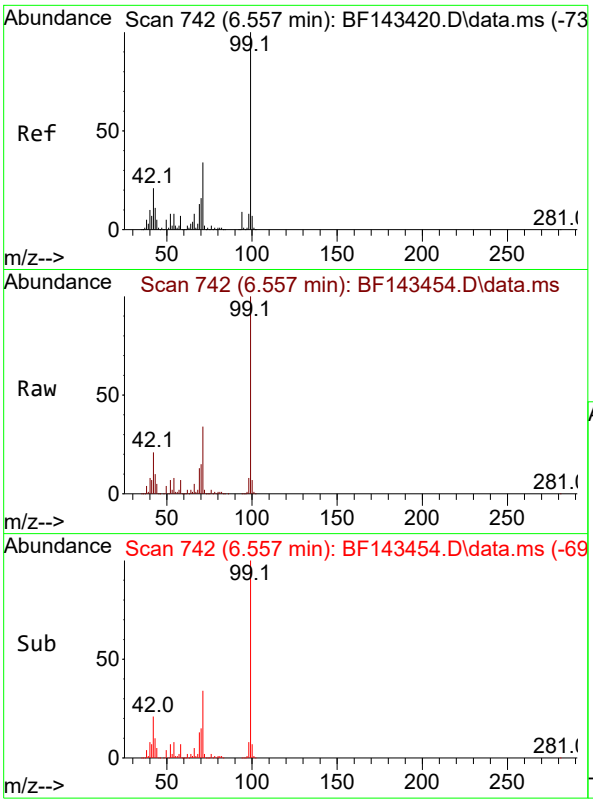


#5
2-Fluorophenol
Concen: 82.074 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.006 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:112 Resp: 441466

Ion	Ratio	Lower	Upper
112	100		
64	64.3	52.2	78.2
63	33.2	27.0	40.6

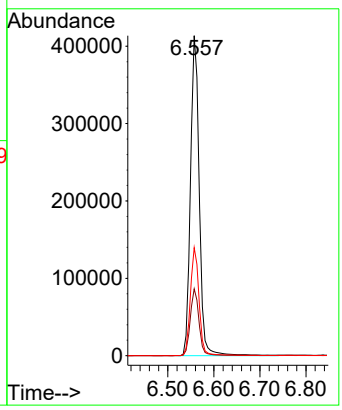




#7
Phenol-d6
Concen: 80.400 ng
RT: 6.557 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion: 99 Resp: 54499

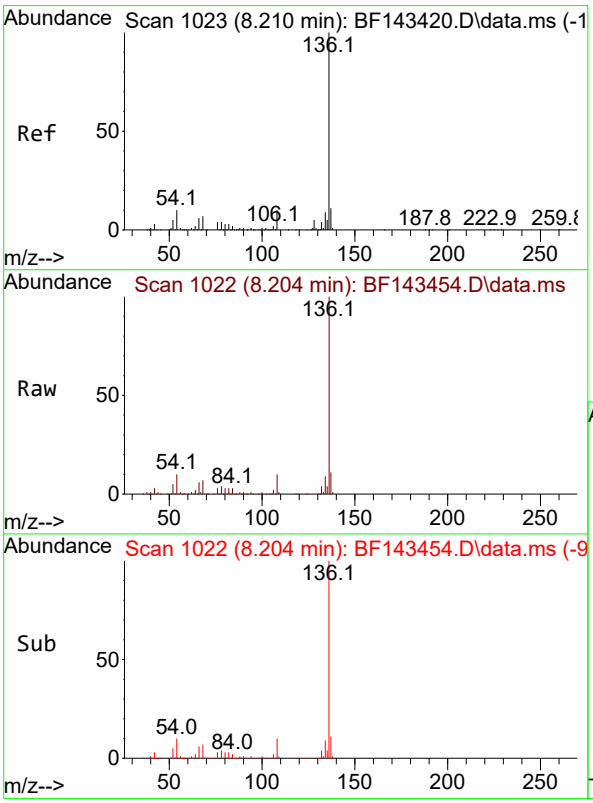
Ion	Ratio	Lower	Upper
99	100		
42	20.9	17.0	25.6
71	33.8	27.4	41.2



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Manual Integrations
APPROVED

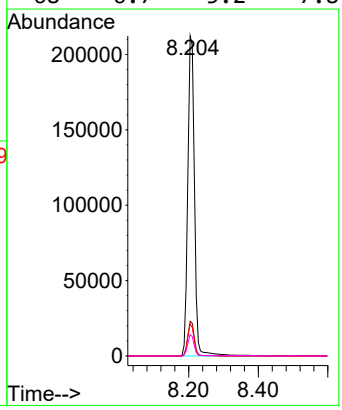
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

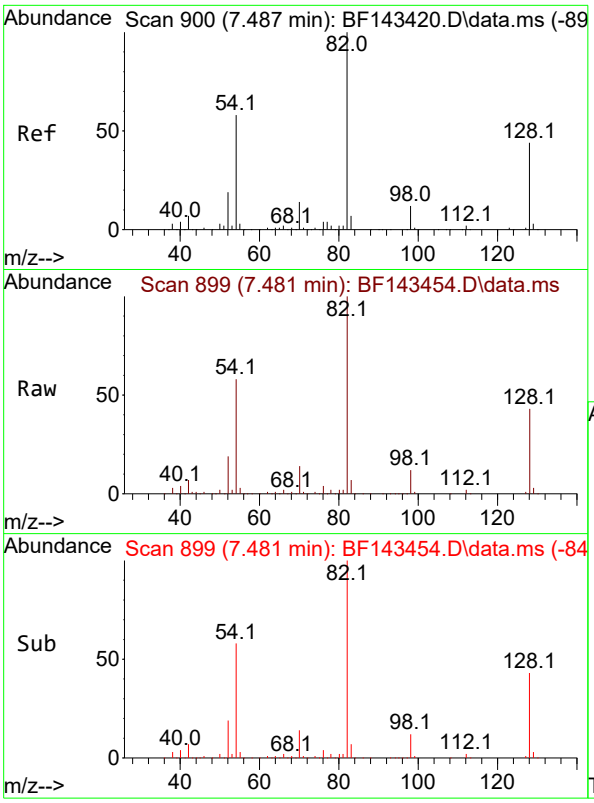


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:136 Resp: 282085

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	10.0	7.8	11.8
68	6.7	5.2	7.8

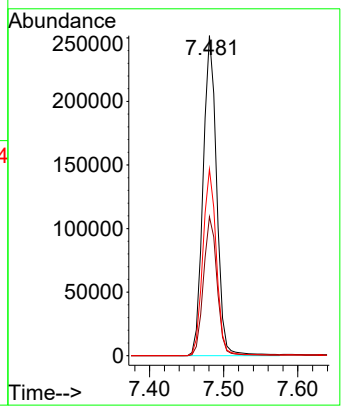




#23
Nitrobenzene-d5
Concen: 67.525 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion: 82 Resp: 32099

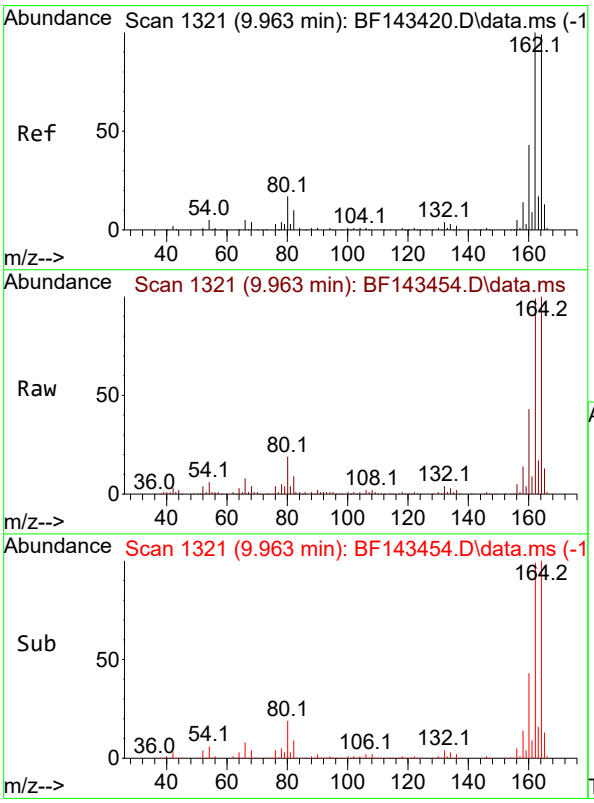
Ion	Ratio	Lower	Upper
82	100		
128	43.4	34.6	52.0
54	58.3	46.0	69.0



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Manual Integrations
APPROVED

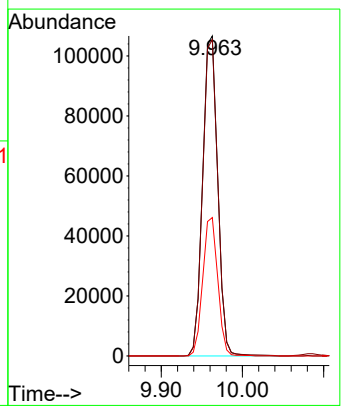
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

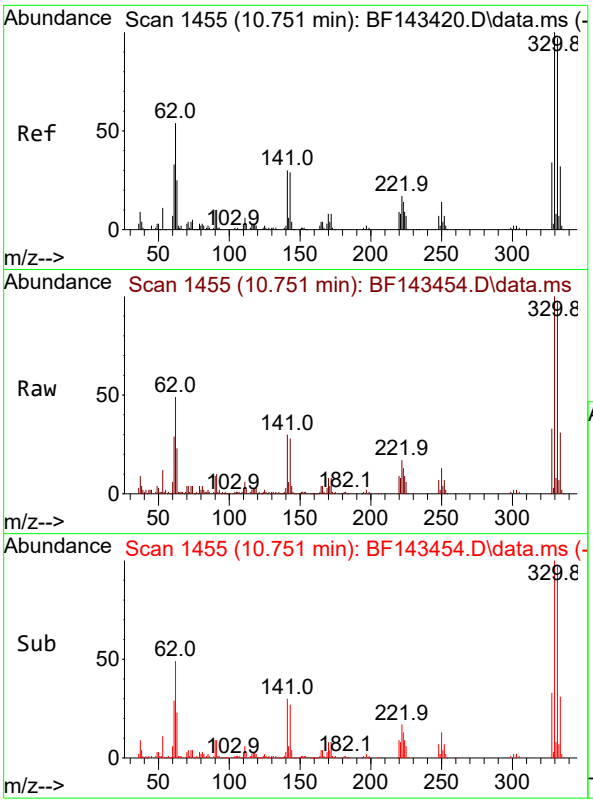


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:164 Resp: 137092

Ion	Ratio	Lower	Upper
164	100		
162	98.8	80.6	121.0
160	43.2	34.6	51.8

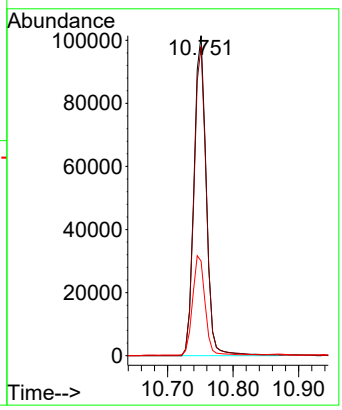




#42
2,4,6-Tribromophenol
Concen: 108.169 ng
RT: 10.751 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:330 Resp: 13199

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.4	116.2
141	31.4	24.1	36.1



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

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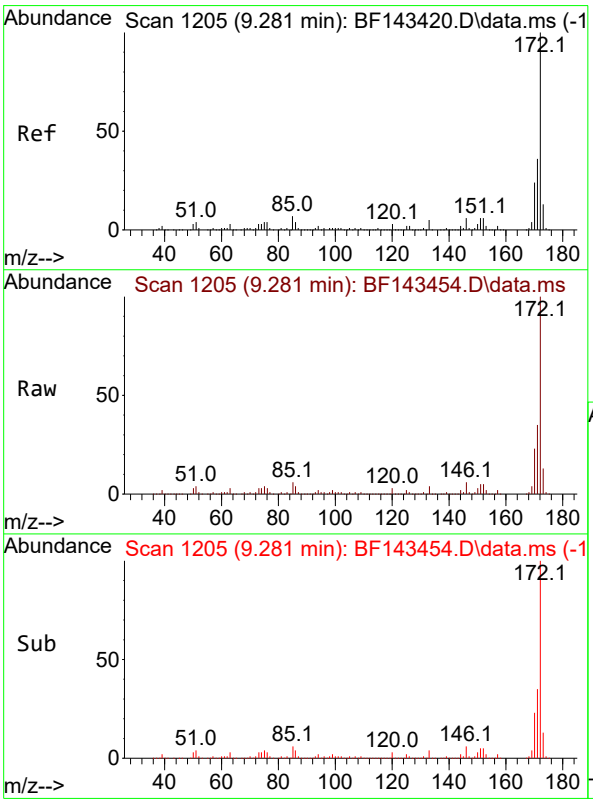
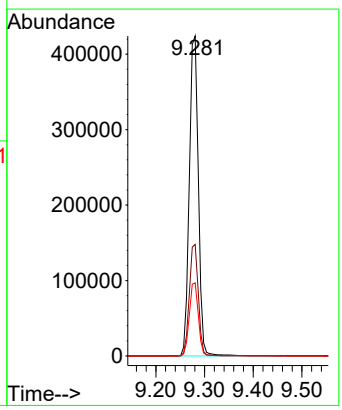
Supervised By :Jagrut Upadhyay 08/20/2025

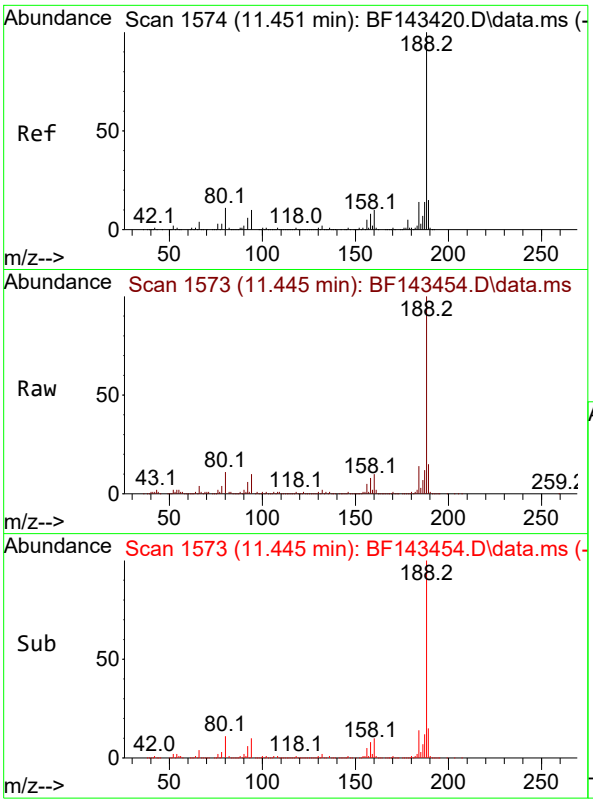


#45
2-Fluorobiphenyl
Concen: 67.354 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:172 Resp: 548973

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.7	43.1
170	22.9	19.0	28.6

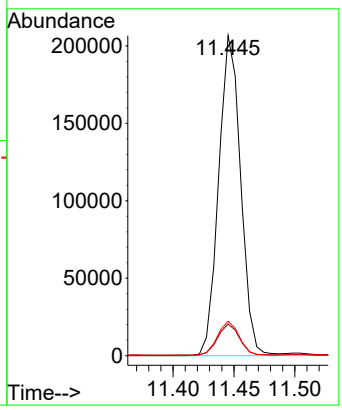




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:188 Resp: 25940

Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.0	12.0
80	10.8	8.6	12.8



Instrument :
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ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

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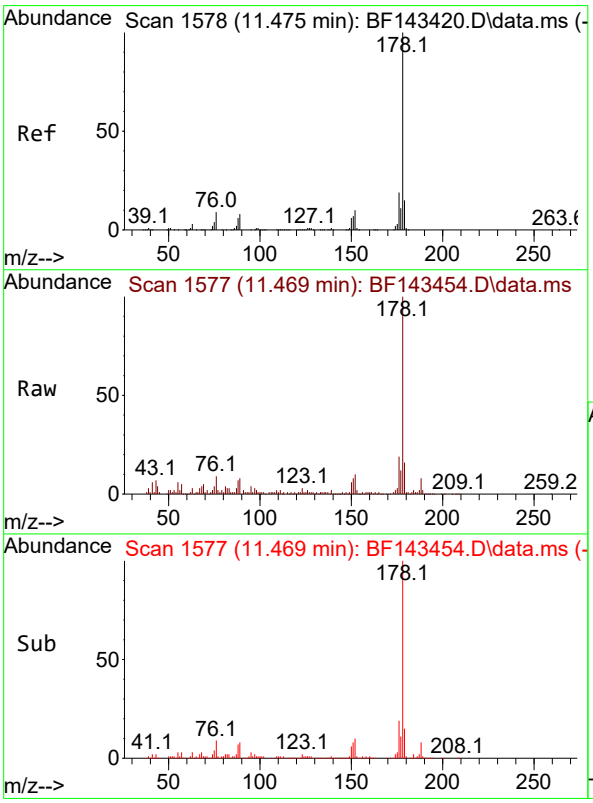
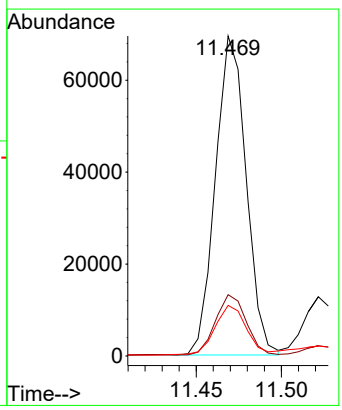
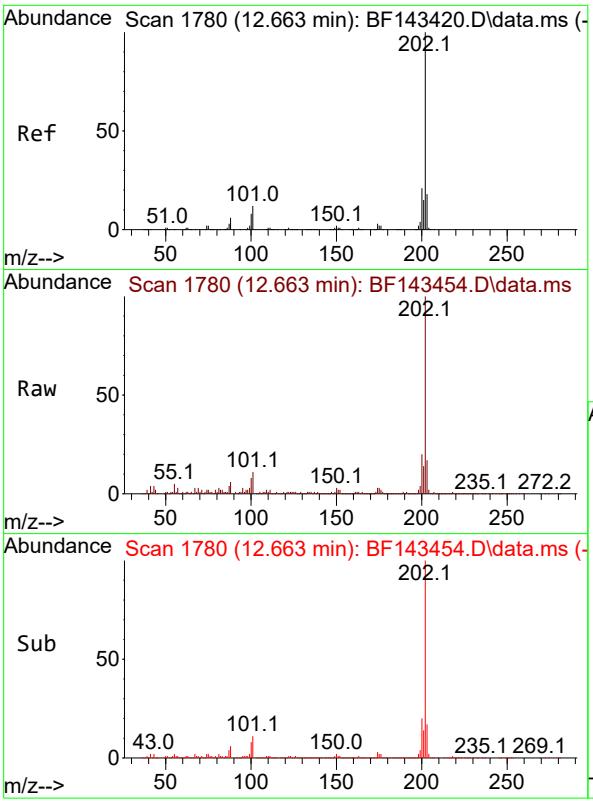


#71
Phenanthrene
Concen: 6.197 ng
RT: 11.469 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:178 Resp: 87046

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.8	12.3	18.5

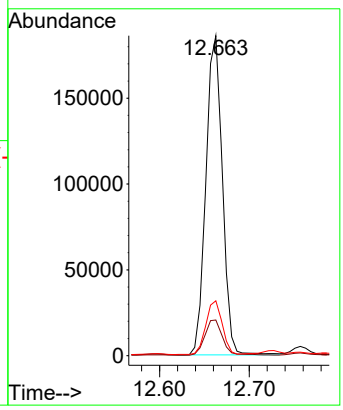




#75
Fluoranthene
Concen: 19.046 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:202 Resp: 23772

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.5
203	17.2	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

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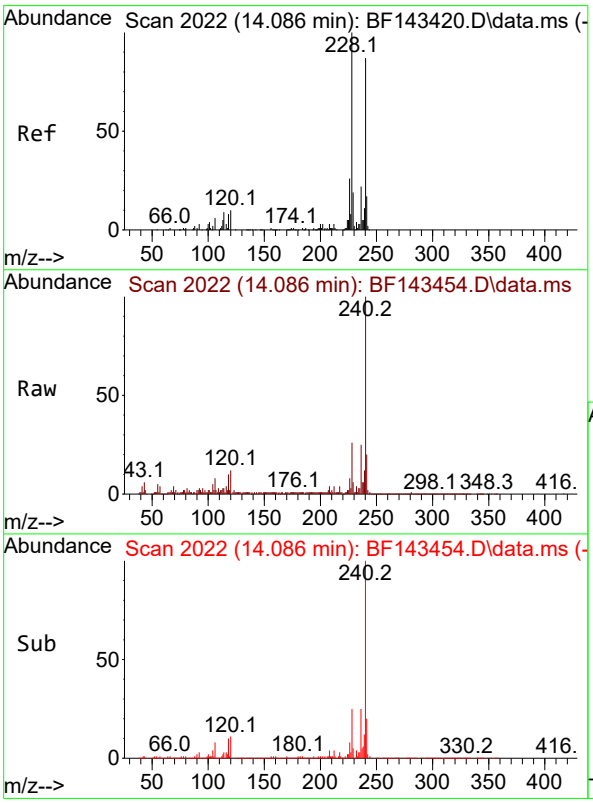
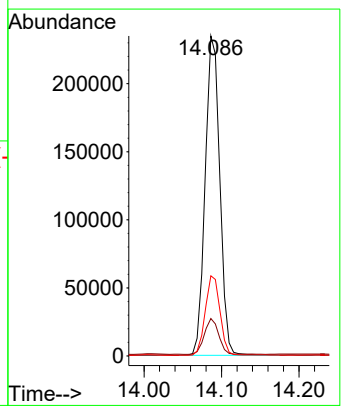
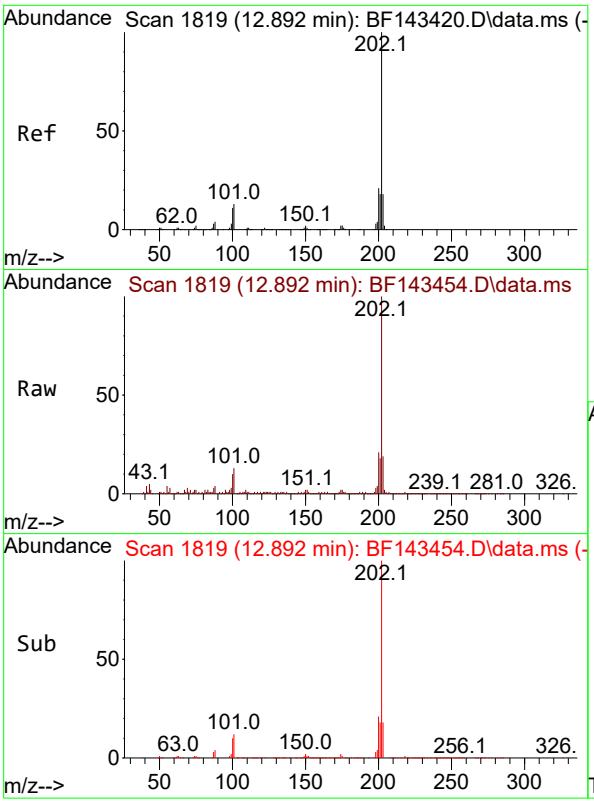


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:240 Resp: 307100

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.0	13.4
236	25.1	20.2	30.2

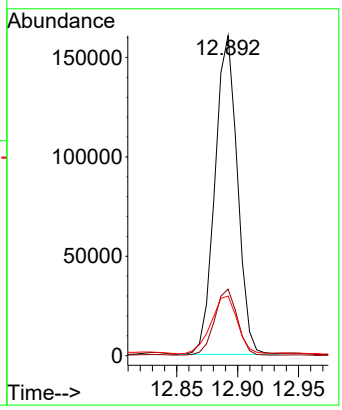




#78
Pyrene
Concen: 7.735 ng
RT: 12.892 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:202 Resp: 20647

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.1	25.7
203	18.7	14.2	21.2



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

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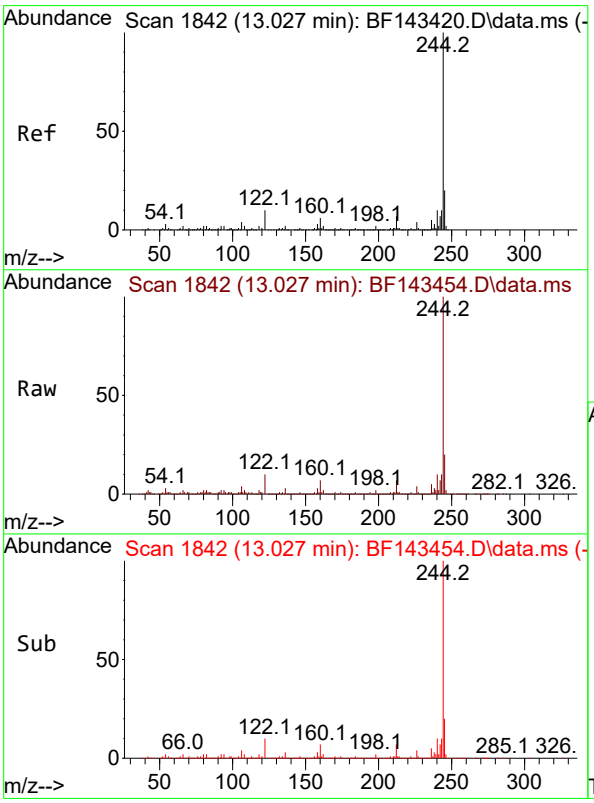
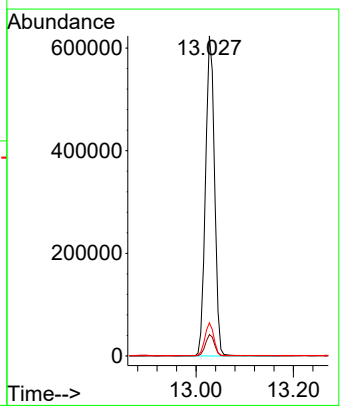
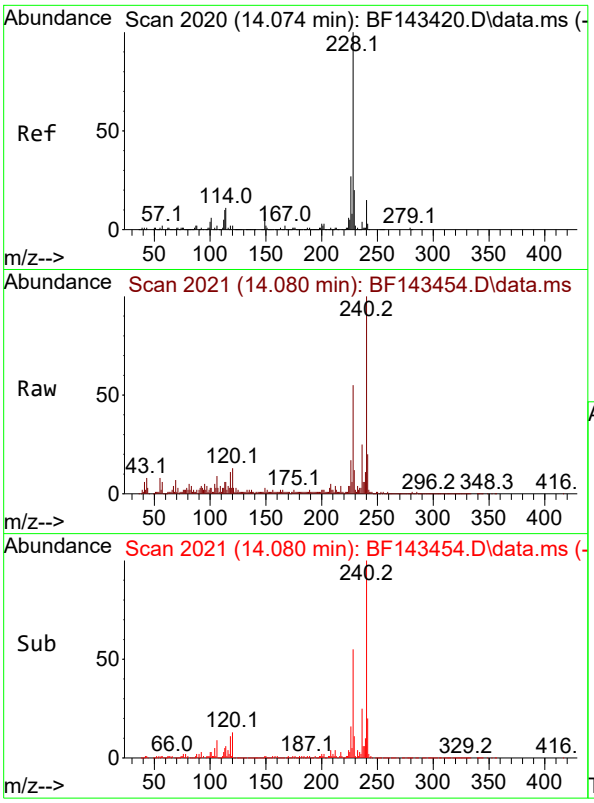


#79
Terphenyl-d14
Concen: 43.646 ng
RT: 13.027 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:244 Resp: 797904

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.2	7.8
122	10.4	8.3	12.5

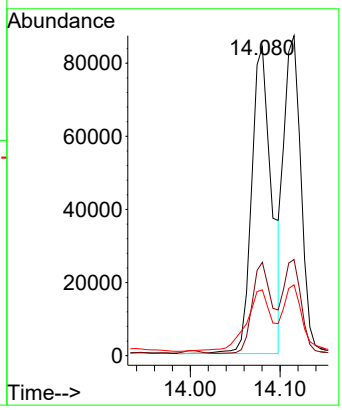




#81
Benzo(a)anthracene
Concen: 6.630 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:228 Resp: 12962

Ion	Ratio	Lower	Upper
228	100		
226	30.2	21.5	32.3
229	21.3	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

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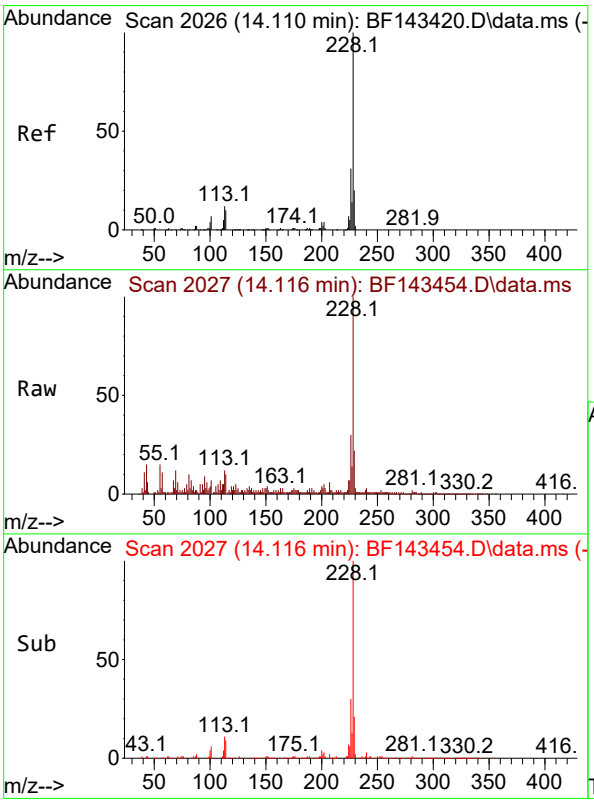
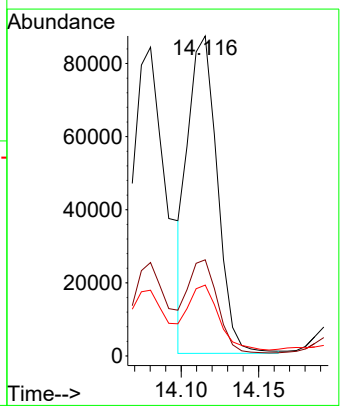
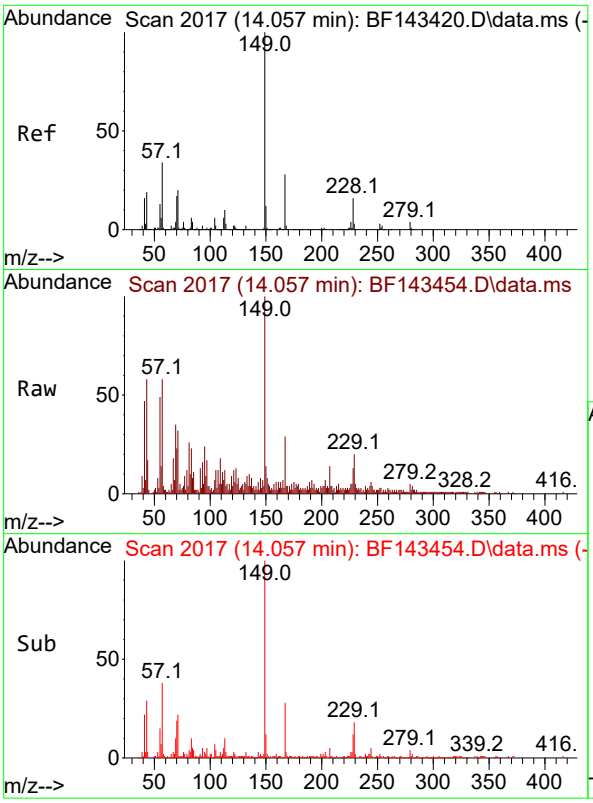


#83
Chrysene
Concen: 6.322 ng
RT: 14.116 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:228 Resp: 114265

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.3	36.5
229	22.2	16.1	24.1





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.332 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:149 Resp: 4067

Ion	Ratio	Lower	Upper
149	100		
167	29.2	22.6	33.8
279	4.6	3.5	5.3

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

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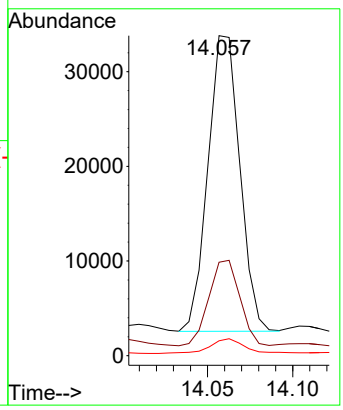
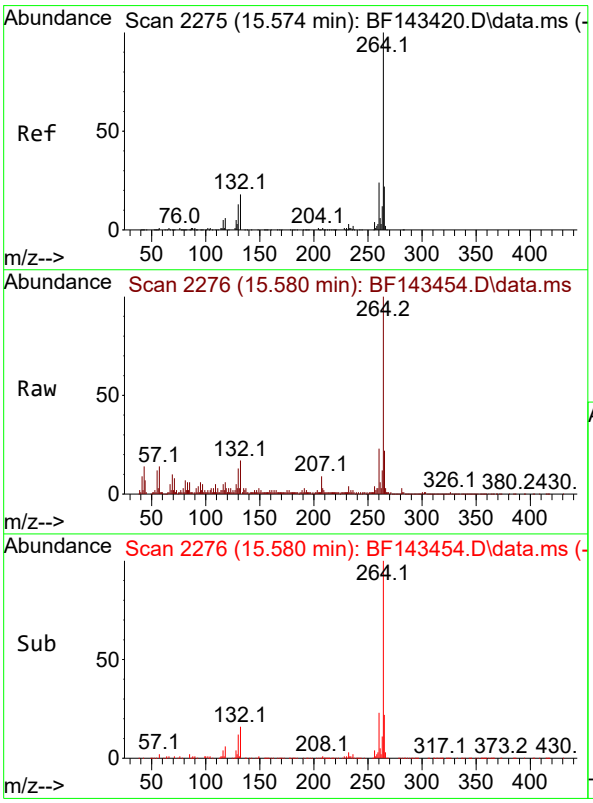
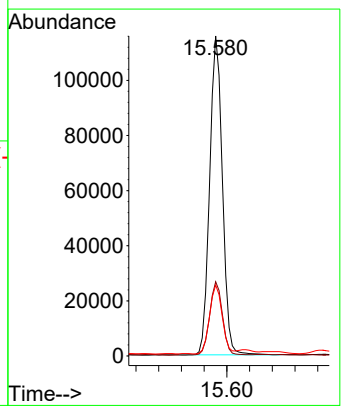


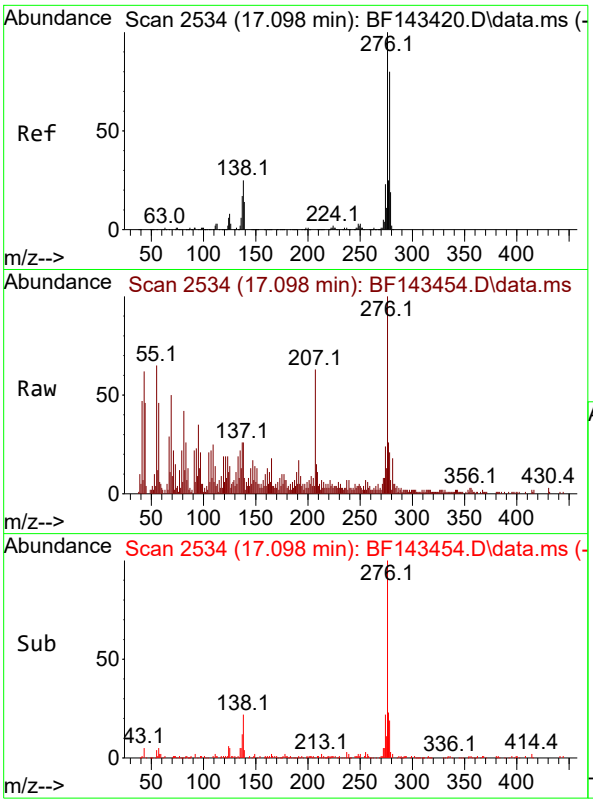


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:264 Resp: 179616

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.8	28.2
265	22.1	17.4	26.0

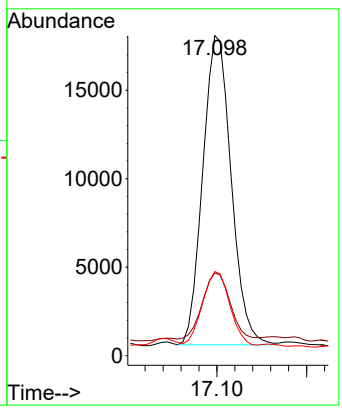




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.849 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:276 Resp: 3837

Ion	Ratio	Lower	Upper
276	100		
138	20.6	20.2	30.4
277	22.8	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

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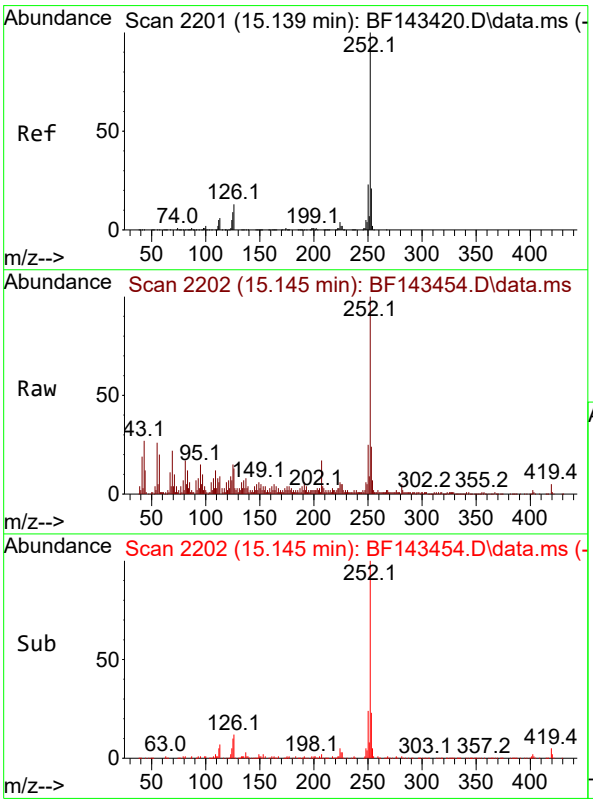
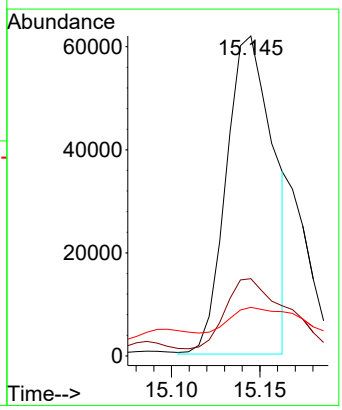
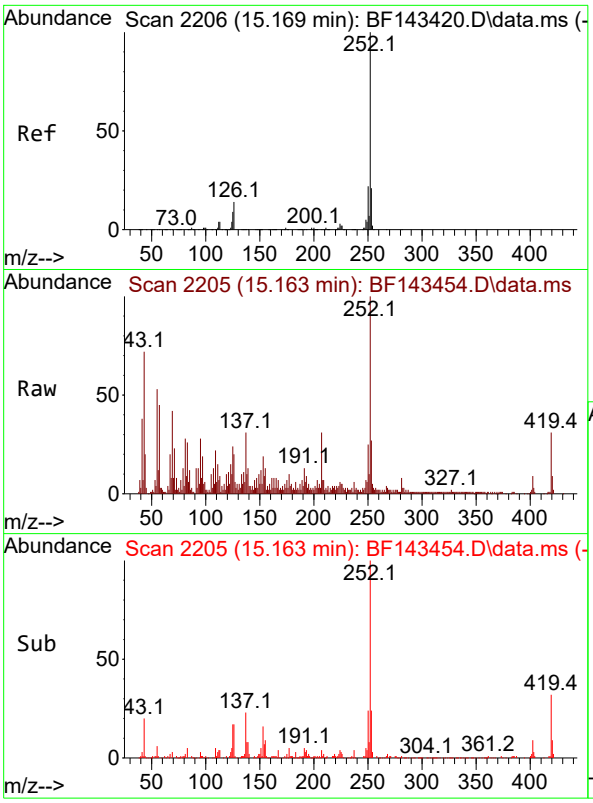


#88
Benzo(b)fluoranthene
Concen: 11.873 ng m
RT: 15.145 min Scan# 2202
Delta R.T. 0.006 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:252 Resp: 114300

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.1	25.7
125	15.2	7.5	11.3#

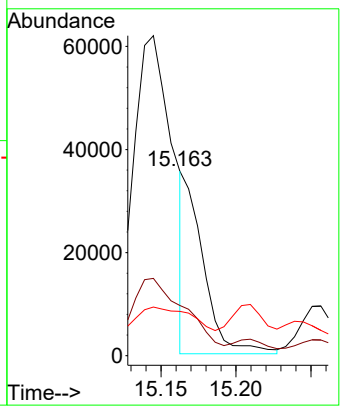




#89
Benzo(k)fluoranthene
Concen: 3.269 ng m
RT: 15.163 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:252 Resp: 3104

Ion	Ratio	Lower	Upper
252	100		
253	27.2	17.2	25.8#
125	24.1	7.4	11.2#



Instrument :
BNA_F
ClientSampleId :
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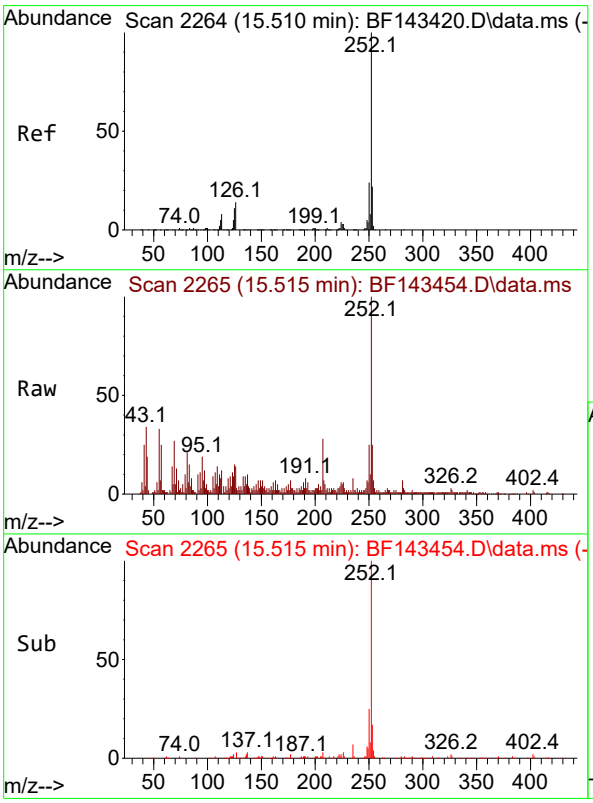
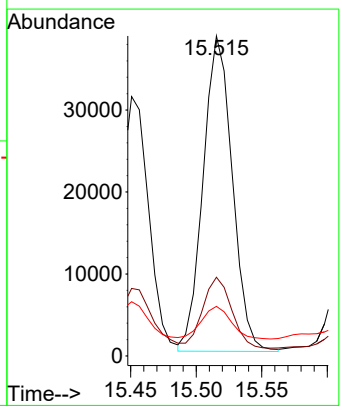
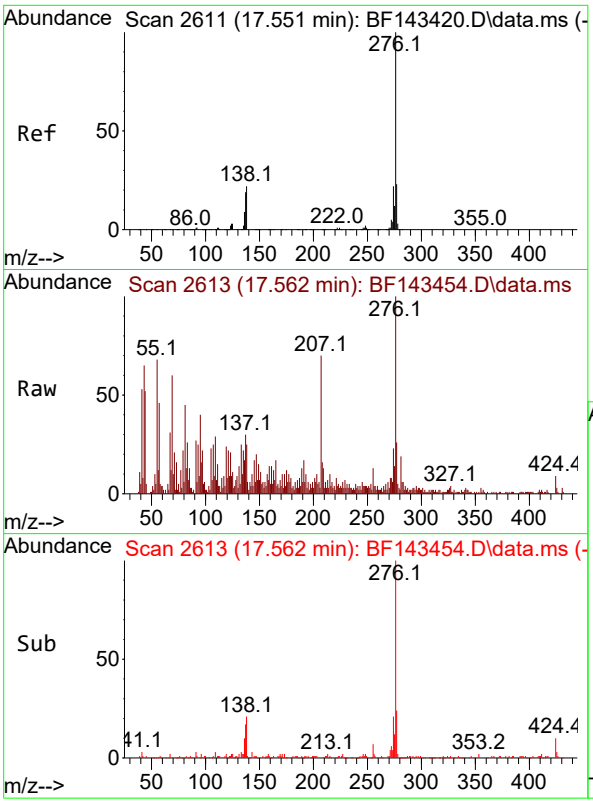


#90
Benzo(a)pyrene
Concen: 6.507 ng
RT: 15.515 min Scan# 2265
Delta R.T. 0.006 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:252 Resp: 59661

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.4	26.2
125	15.5	8.6	12.8#

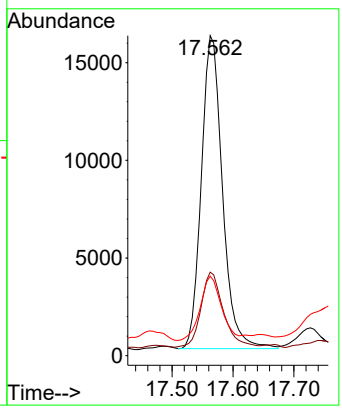




#92
Benzo(g,h,i)perylene
Concen: 3.584 ng
RT: 17.562 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:276 Resp: 3872

Ion	Ratio	Lower	Upper
276	100		
277	26.1	18.7	28.1
138	24.9	17.5	26.3



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Manual Integrations
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Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

Sample Results: **BF143454.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143454.D
Acq On : 19 Aug 2025 13:59
Operator : RC/JU
Sample : Q2879-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143454.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.240	3	8	17	rVB	566095	879418	18.65%	2.195%
2	5.151	488	503	514	rBV	128050	198802	4.22%	0.496%
3	5.563	567	573	594	rBV	1217763	1615263	34.26%	4.032%
4	6.557	737	742	753	rBV	1195167	1569403	33.29%	3.917%
5	6.928	800	805	813	rBV	443433	553679	11.74%	1.382%
6	7.481	894	899	910	rBV	764896	979984	20.79%	2.446%
7	8.204	1015	1022	1030	rBV	438257	570699	12.11%	1.424%
8	9.275	1199	1204	1213	rBV	1208117	1573038	33.37%	3.926%
9	9.963	1315	1321	1325	rBV	446198	595266	12.63%	1.486%
10	10.669	1436	1441	1447	rBV	135000	179392	3.81%	0.448%
11	10.745	1449	1454	1463	rVV	742547	1019358	21.62%	2.544%
12	10.980	1490	1494	1499	rVB2	55207	78544	1.67%	0.196%
13	11.445	1568	1573	1581	rBV2	511410	911570	19.34%	2.275%
14	11.675	1606	1612	1620	rBV3	27911	72798	1.54%	0.182%
15	11.975	1658	1663	1674	rVV2	479371	773752	16.41%	1.931%
16	12.063	1675	1678	1685	rVB2	49604	83605	1.77%	0.209%
17	12.145	1689	1692	1701	rVB5	65813	111282	2.36%	0.278%
18	12.592	1764	1768	1775	rBV2	142570	218821	4.64%	0.546%
19	12.663	1775	1780	1792	rBV	464199	902712	19.15%	2.253%
20	12.757	1792	1796	1804	rVV	133484	207826	4.41%	0.519%
21	12.892	1813	1819	1825	rBV	343184	502225	10.65%	1.254%
22	13.027	1837	1842	1850	rBV	1636203	2112811	44.81%	5.274%
23	13.392	1901	1904	1908	rBV	82591	124554	2.64%	0.311%
24	13.469	1913	1917	1922	rVV5	122089	213452	4.53%	0.533%
25	13.927	1991	1995	2004	rVB2	470628	808638	17.15%	2.018%
26	14.004	2005	2008	2013	rVB2	195085	253153	5.37%	0.632%
27	14.086	2015	2022	2030	rBV2	727371	1375947	29.19%	3.434%
28	14.551	2096	2101	2108	rBV2	561420	1030960	21.87%	2.573%
29	14.939	2163	2167	2173	rVB	432372	602772	12.79%	1.505%
30	15.145	2199	2202	2203	rBV	121498	140918	2.99%	0.352%
31	15.204	2208	2212	2217	rVV	1411240	2019084	42.83%	5.040%
32	15.580	2272	2276	2291	rVB2	321465	598359	12.69%	1.494%
33	15.798	2310	2313	2319	rBV	113338	175001	3.71%	0.437%
34	16.045	2349	2355	2361	rVB	1034146	1765650	37.45%	4.407%
35	16.327	2398	2403	2416	rVB2	383854	875475	18.57%	2.185%
36	17.468	2592	2597	2608	rVB7	201548	563210	11.95%	1.406%

Sample Results: **BF143454.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143454.D
Acq On : 19 Aug 2025 13:59
Operator : RC/JU
Sample : Q2879-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.762	2633	2647	2657	rBV4	1115340	4714537	100.00%	11.768%
38	17.939	2672	2677	2684	rVB	395512	888553	18.85%	2.218%
39	18.204	2715	2722	2732	rBV	794770	2572500	54.57%	6.421%
40	18.304	2735	2739	2751	rVB6	541929	1656501	35.14%	4.135%
41	18.568	2775	2784	2802	rBV7	632765	3354324	71.15%	8.373%
42	18.721	2804	2810	2815	rBV2	246204	619664	13.14%	1.547%

Sum of corrected areas: 40063500

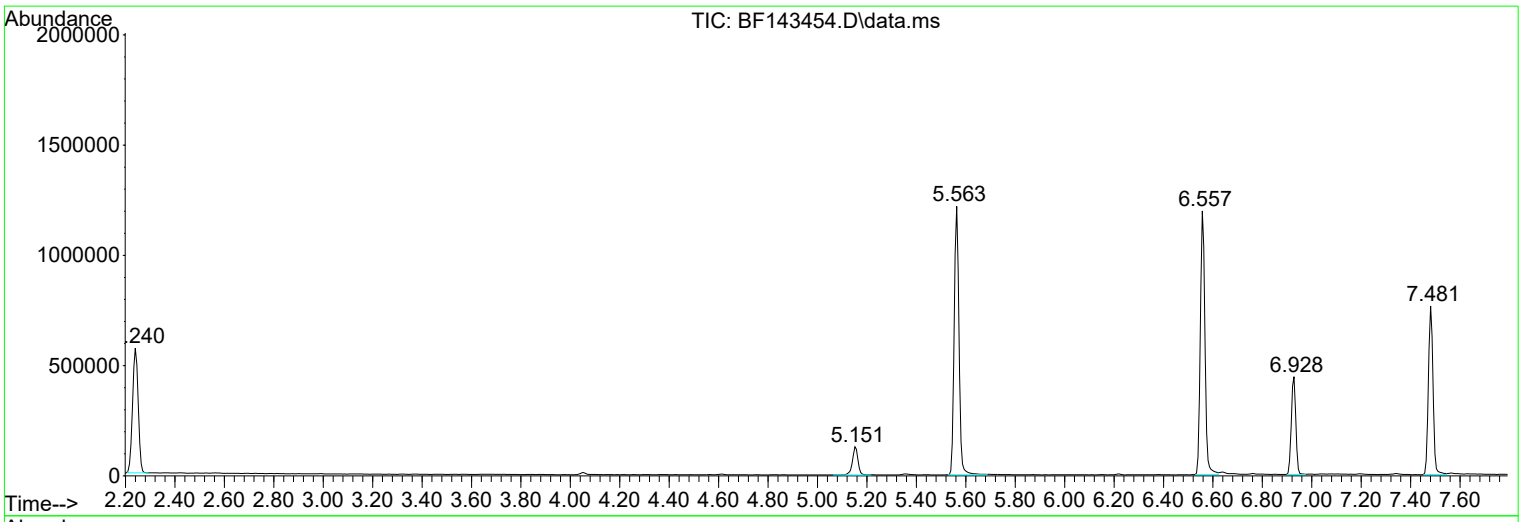
Sample Results: **BF143454.D**

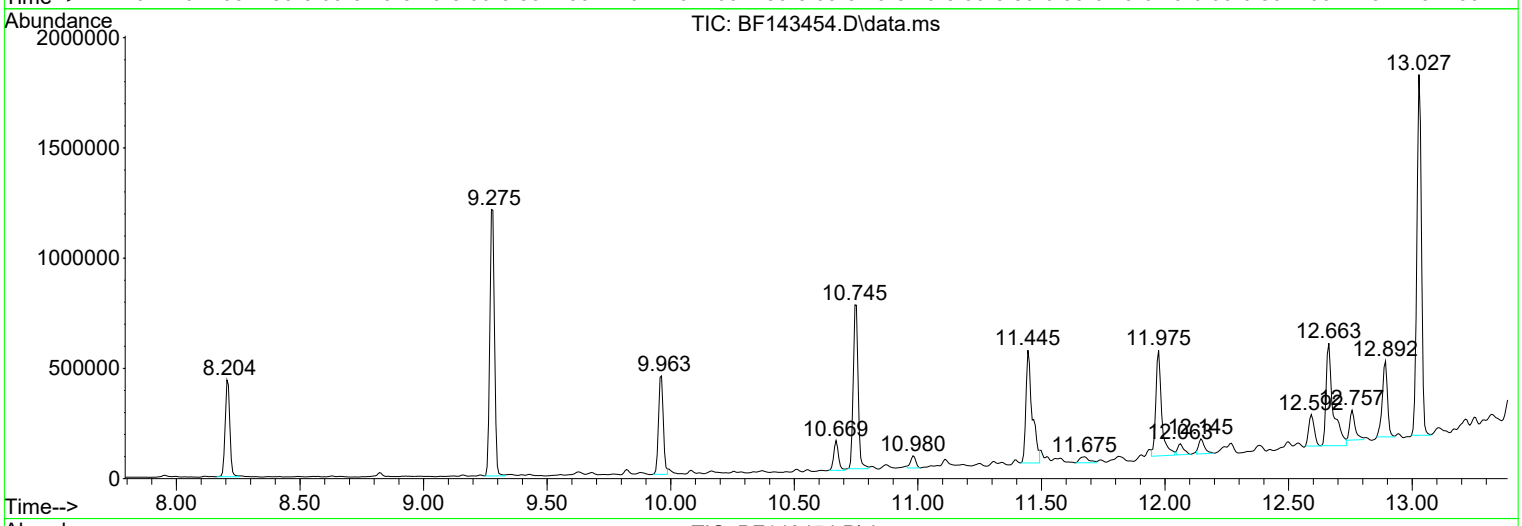
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143454.D
Acq On : 19 Aug 2025 13:59
Operator : RC/JU
Sample : Q2879-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

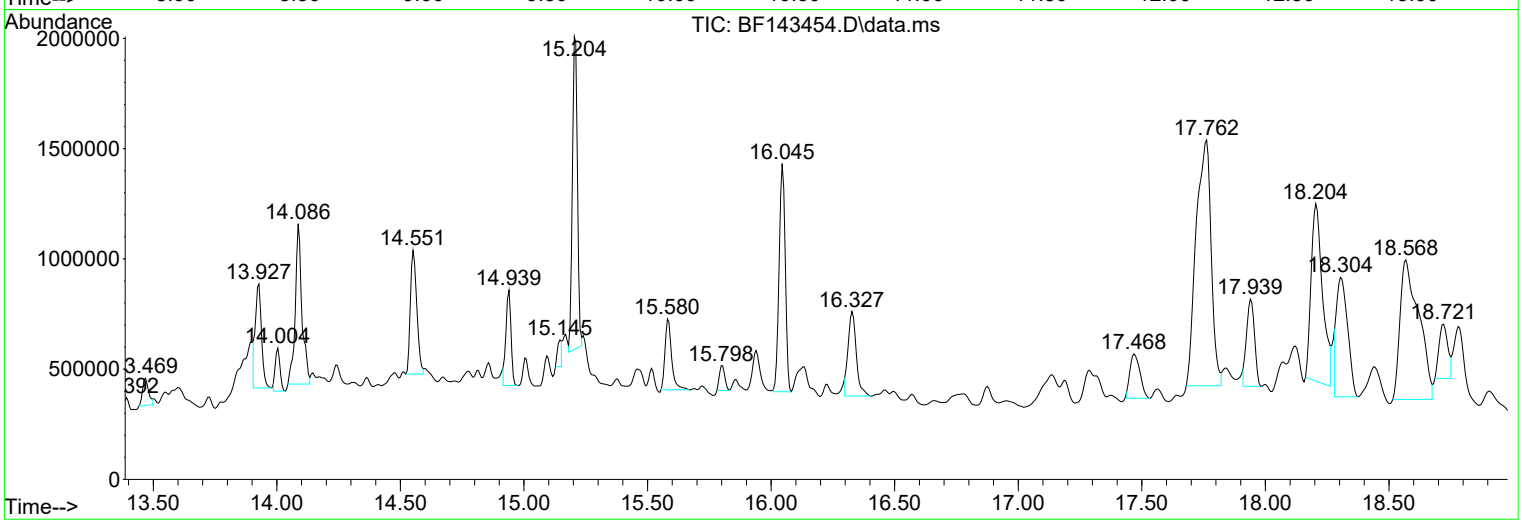
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143454.D
Acq On : 19 Aug 2025 13:59
Operator : RC/JU
Sample : Q2879-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143454.D
Acq On : 19 Aug 2025 13:59
Operator : RC/JU
Sample : Q2879-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP07-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143455.D	1	08/18/25 09:06	08/19/25 14:28	PB169285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.024	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.027	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.031	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.023	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.027	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.11	J	0.022	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.036	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.38		0.032	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.19		0.039	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	J	0.025	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.17	J	0.021	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.29		0.020	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.080	J	0.024	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.16	J	0.032	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.080	J	0.031	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.029	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.10	J	0.028	0.14	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	61.4		37 - 122		61%	SPK: 100
321-60-8	2-Fluorobiphenyl	60.1		44 - 115		60%	SPK: 100
1718-51-0	Terphenyl-d14	46.6	*	54 - 127		47%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	81500	6.928				
1146-65-2	Naphthalene-d8	266000	8.204				
15067-26-2	Acenaphthene-d10	140000	9.963				
1517-22-2	Phenanthrene-d10	270000	11.445				
1719-03-5	Chrysene-d12	272000	14.086				
1520-96-3	Perylene-d12	174000	15.58				
TENTATIVE IDENTIFIED COMPOUNDS							

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP07-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143455.D	1	08/18/25 09:06	08/19/25 14:28	PB169285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972608	Alachlor	N.D					
82-68-8	Quintozine	N.D					

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143455.D
Acq On : 19 Aug 2025 14:28
Operator : RC/JU
Sample : Q2879-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

Quant Time: Aug 19 14:51:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	81535	20.000	ng		0.00
21) Naphthalene-d8	8.204	136	266043	20.000	ng		0.00
39) Acenaphthene-d10	9.963	164	139719	20.000	ng		0.00
64) Phenanthrene-d10	11.445	188	269890	20.000	ng		0.00
76) Chrysene-d12	14.086	240	272023	20.000	ng		0.00
86) Perylene-d12	15.580	264	174368	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.563	112	408333	87.057	ng		0.00
7) Phenol-d6	6.557	99	437182	73.960	ng		0.00
23) Nitrobenzene-d5	7.481	82	275314	61.407	ng		0.00
42) 2,4,6-Tribromophenol	10.751	330	128719	103.505	ng		0.00
45) 2-Fluorobiphenyl	9.281	172	499605	60.144	ng		0.00
79) Terphenyl-d14	13.027	244	755405	46.649	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	11.469	178	43999	3.011	ng		99
74) Di-n-butylphthalate	12.004	149	30134	2.424	ng		98
75) Fluoranthene	12.663	202	136964	10.547	ng		99
78) Pyrene	12.892	202	122974	5.201	ng		99
81) Benzo(a)anthracene	14.080	228	67916	3.922	ng		93
83) Chrysene	14.110	228	74599	4.659	ng		97
84) Bis(2-ethylhexyl)phtha...	14.057	149	74678	8.979	ng		98
87) Indeno(1,2,3-cd)pyrene	17.098	276	29277	2.239	ng		96
88) Benzo(b)fluoranthene	15.145	252	75381m	8.066	ng		
89) Benzo(k)fluoranthene	15.163	252	20741m	2.250	ng		
90) Benzo(a)pyrene	15.515	252	40917	4.597	ng	#	89
92) Benzo(g,h,i)perylene	17.562	276	29859	2.846	ng	#	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

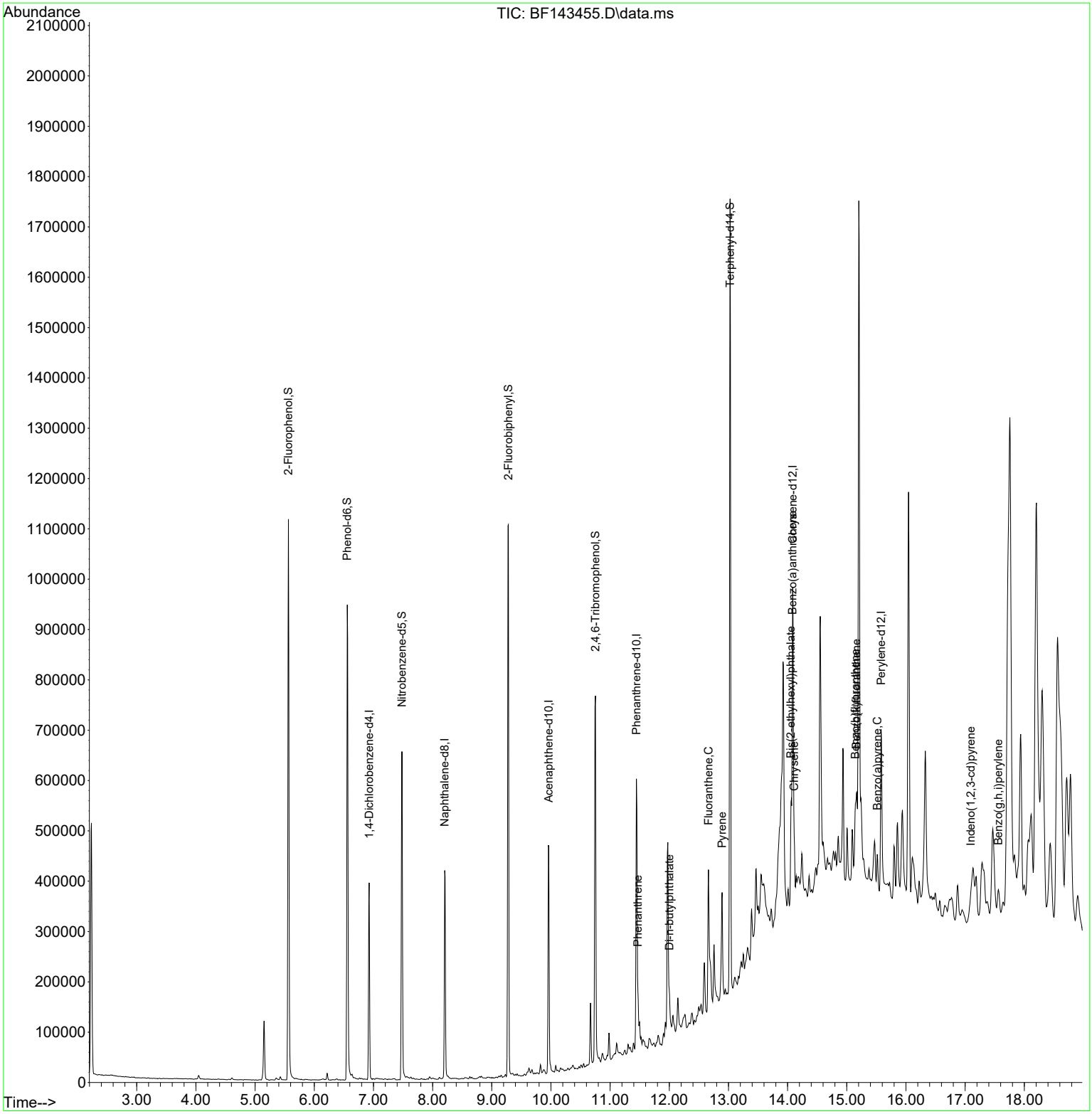
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143455.D
Acq On : 19 Aug 2025 14:28
Operator : RC/JU
Sample : Q2879-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

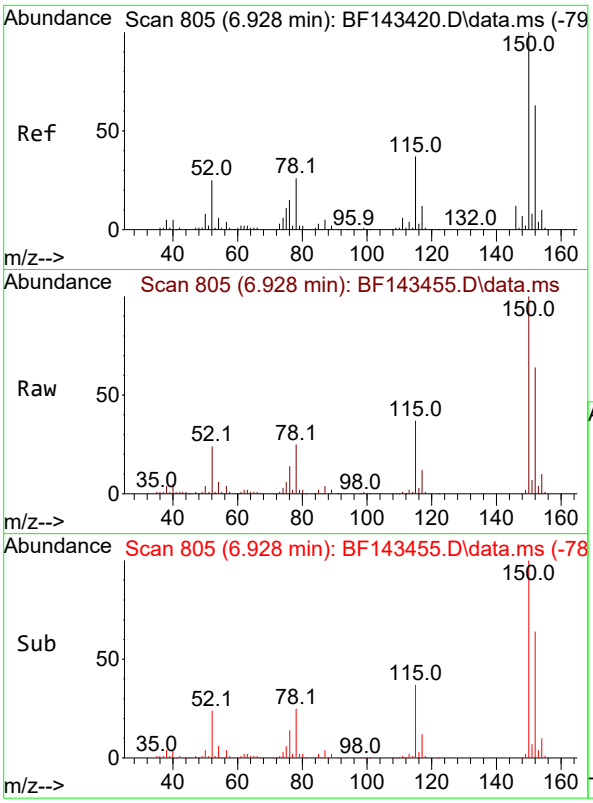
Quant Time: Aug 19 14:51:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

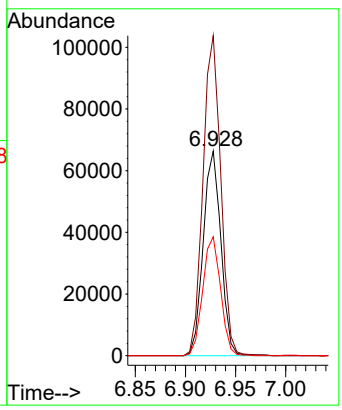




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:152 Resp: 8153

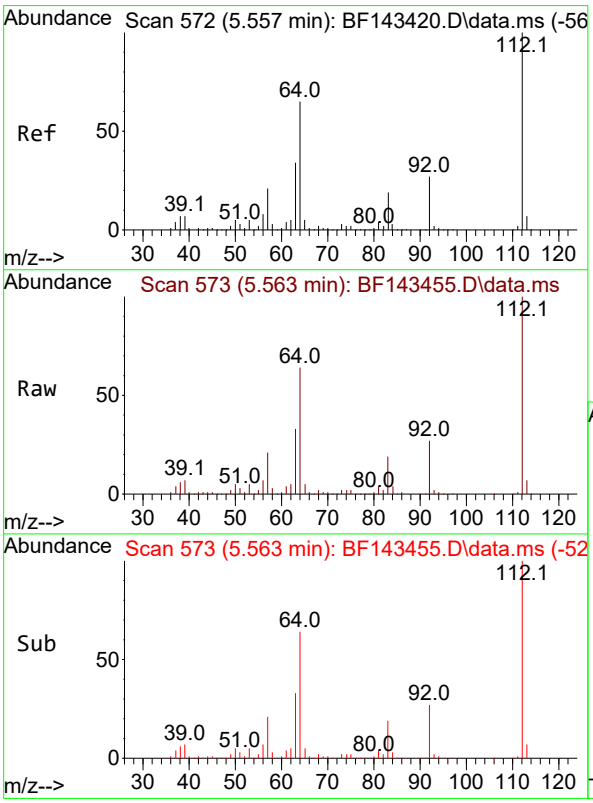
Ion	Ratio	Lower	Upper
152	100		
150	156.4	127.4	191.2
115	58.1	47.5	71.3



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Manual Integrations
APPROVED

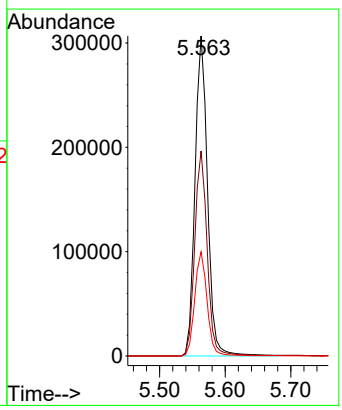
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

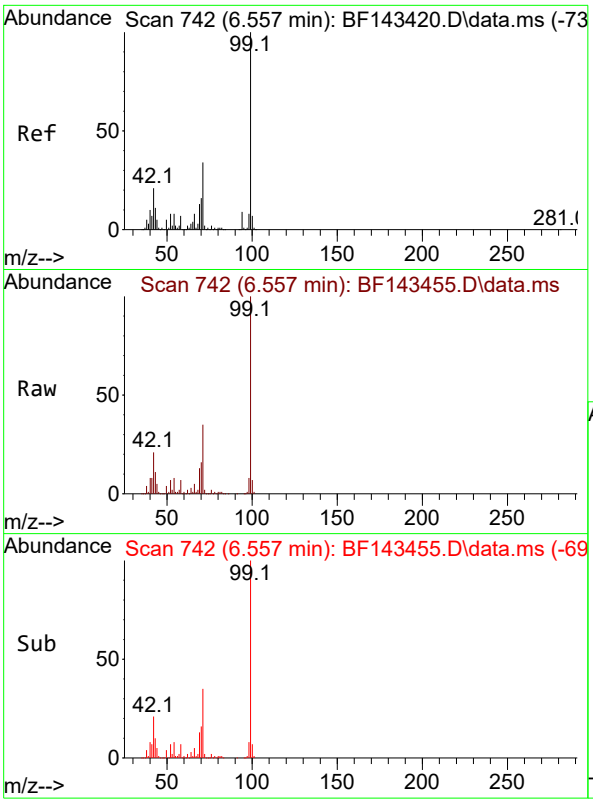


#5
2-Fluorophenol
Concen: 87.057 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.006 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:112 Resp: 408333

Ion	Ratio	Lower	Upper
112	100		
64	64.0	52.2	78.2
63	32.5	27.0	40.6

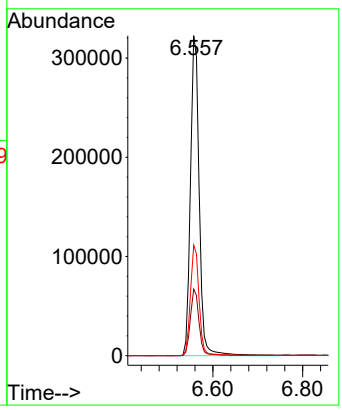




#7
Phenol-d6
Concen: 73.960 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion: 99 Resp: 43718

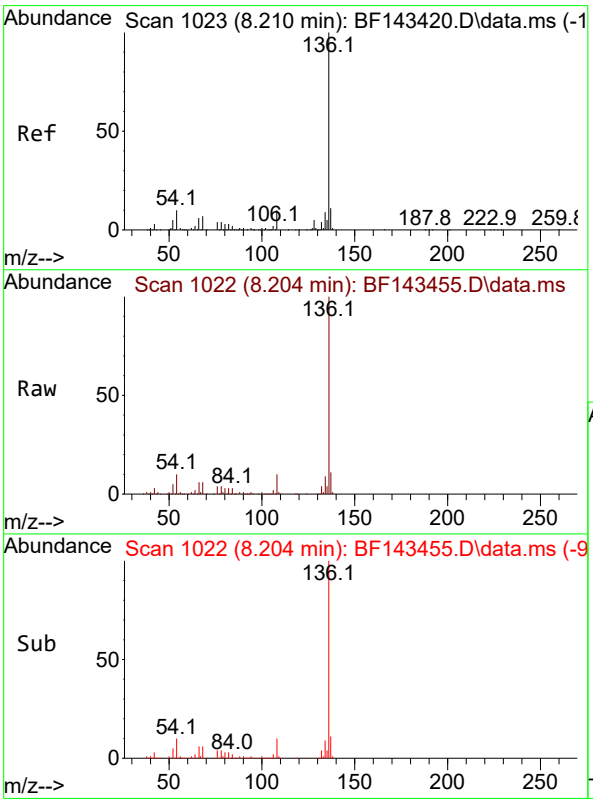
Ion	Ratio	Lower	Upper
99	100		
42	20.8	17.0	25.6
71	34.5	27.4	41.2



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Manual Integrations
APPROVED

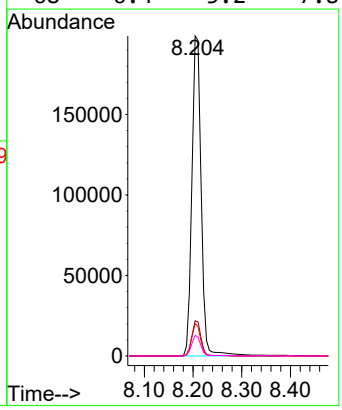
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

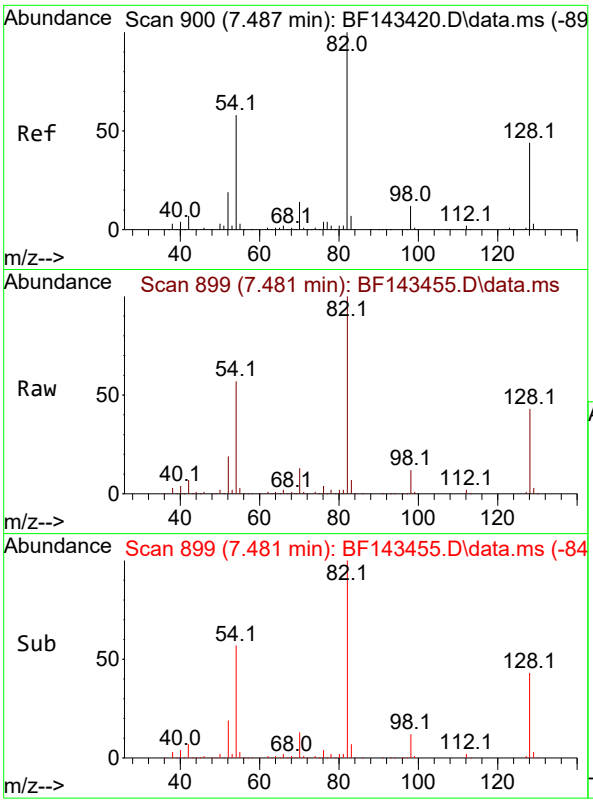


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:136 Resp: 266043

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	10.0	7.8	11.8
68	6.4	5.2	7.8

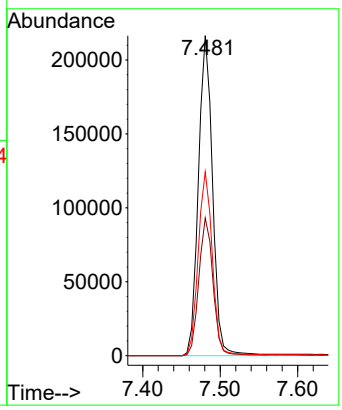




#23
Nitrobenzene-d5
Concen: 61.407 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion: 82 Resp: 27531

Ion	Ratio	Lower	Upper
82	100		
128	43.1	34.6	52.0
54	57.4	46.0	69.0



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

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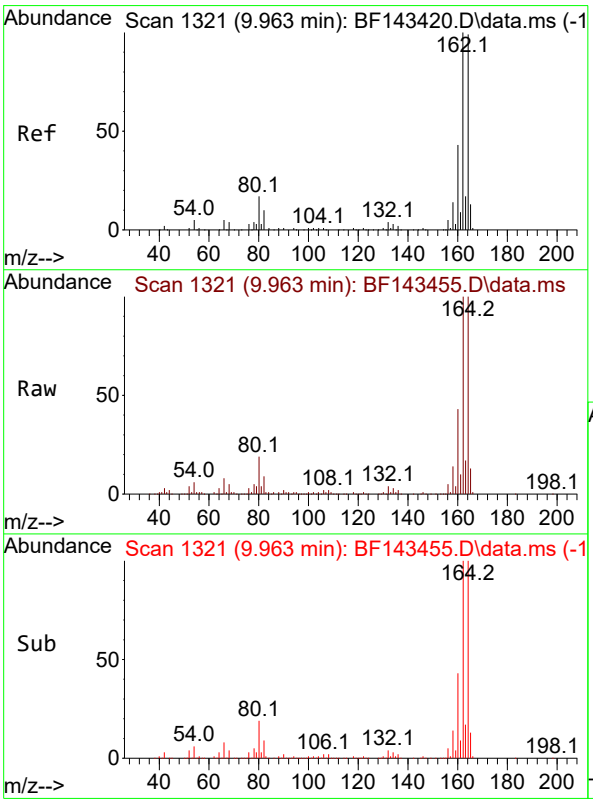
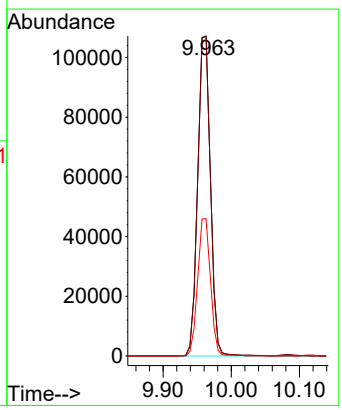
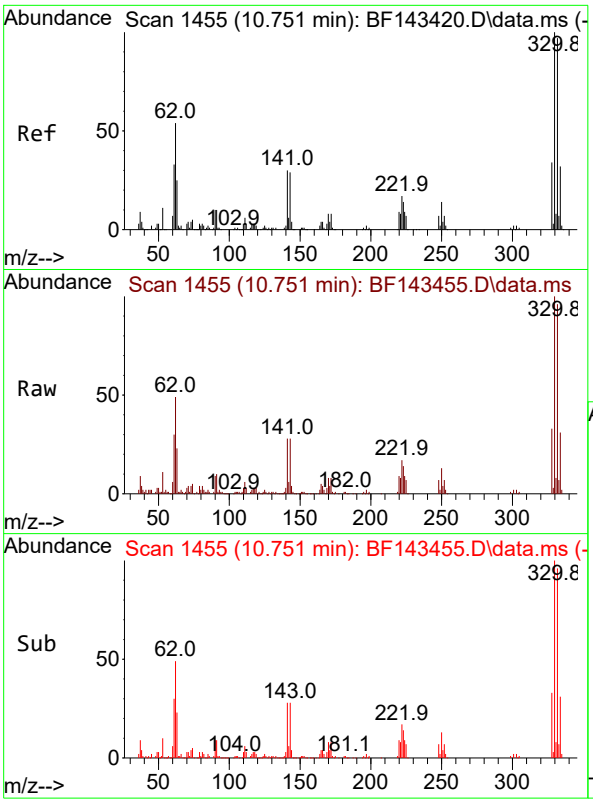


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:164 Resp: 139719

Ion	Ratio	Lower	Upper
164	100		
162	99.9	80.6	121.0
160	42.9	34.6	51.8

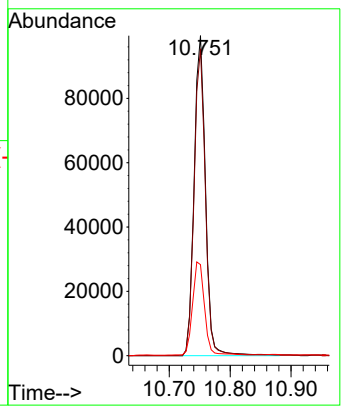




#42
2,4,6-Tribromophenol
Concen: 103.505 ng
RT: 10.751 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:330 Resp: 12871

Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.4	116.2
141	30.6	24.1	36.1



Instrument :
BNA_F
ClientSampleId :
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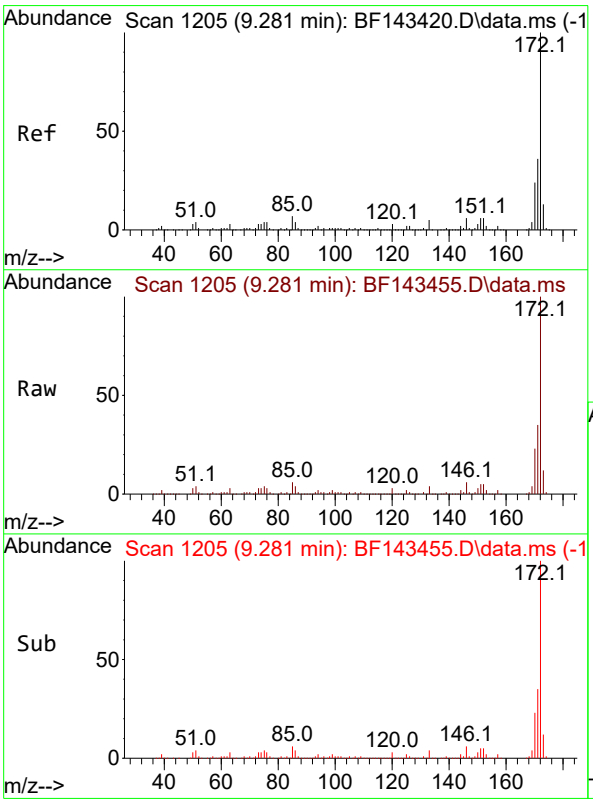
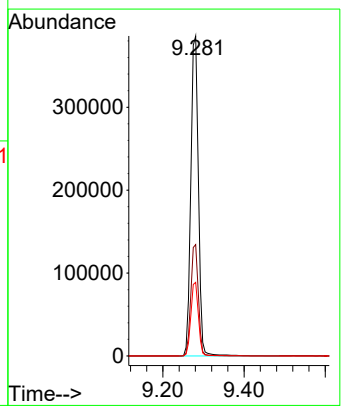
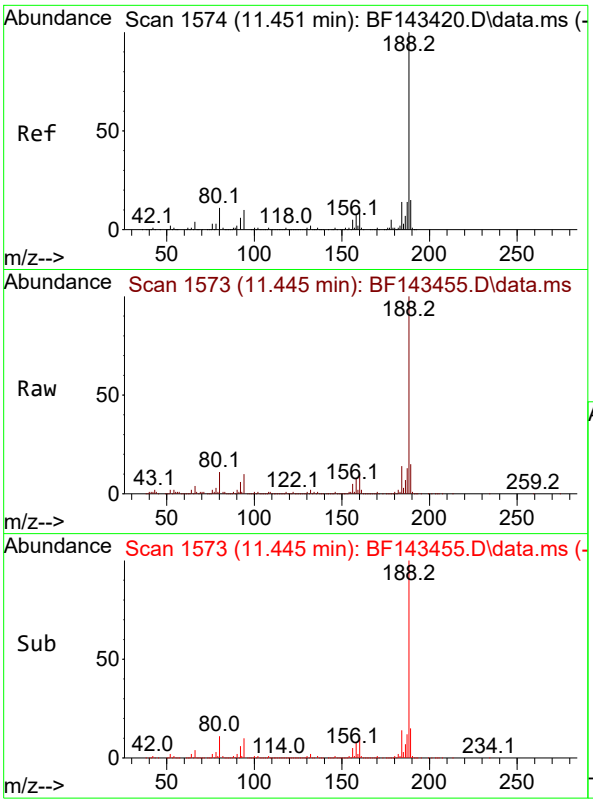


#45
2-Fluorobiphenyl
Concen: 60.144 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:172 Resp: 499605

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.7	43.1
170	23.0	19.0	28.6

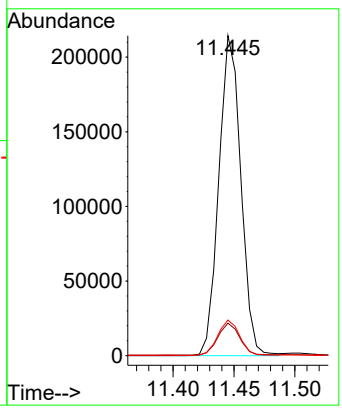




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:188 Resp: 26989

Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.0	12.0
80	11.2	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
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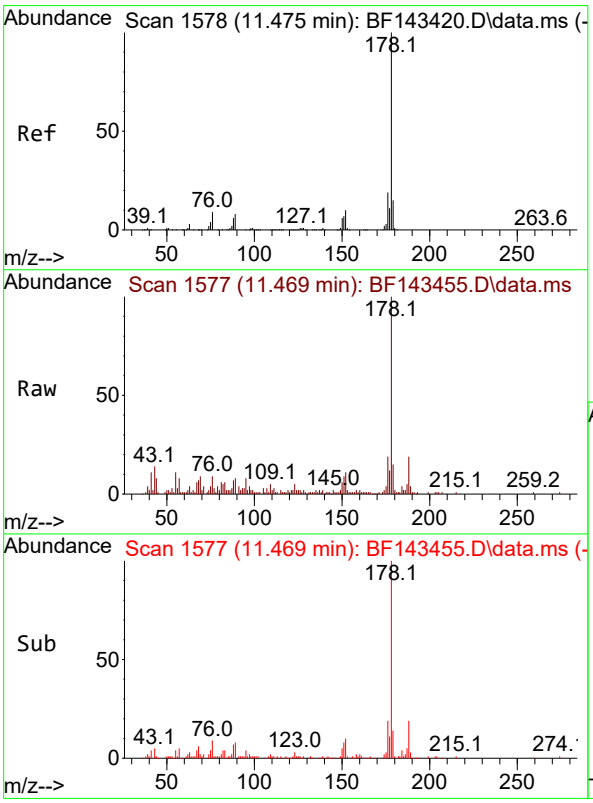
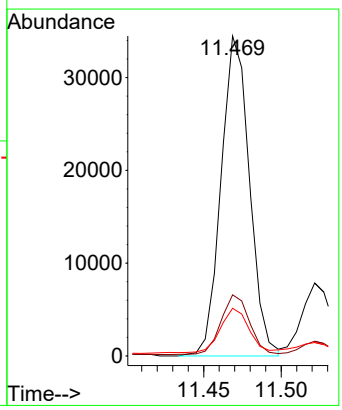
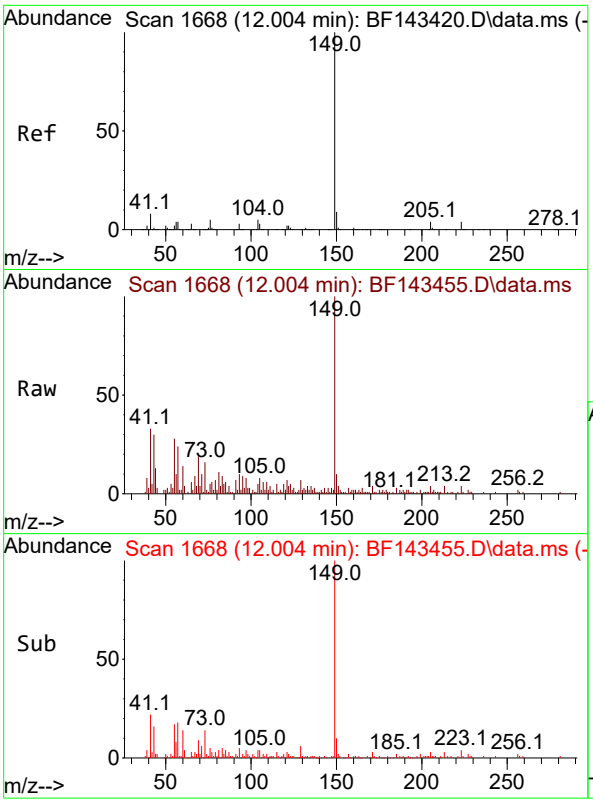


#71
Phenanthrene
Concen: 3.011 ng
RT: 11.469 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:178 Resp: 43999

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	14.9	12.3	18.5

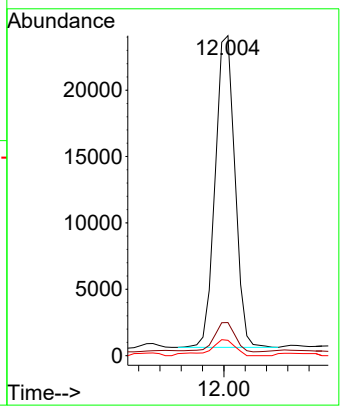




#74
Di-n-butylphthalate
Concen: 2.424 ng
RT: 12.004 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:149 Resp: 3013

Ion	Ratio	Lower	Upper
149	100		
150	10.4	7.3	10.9
104	4.8	3.8	5.6



Instrument :
BNA_F
ClientSampleId :
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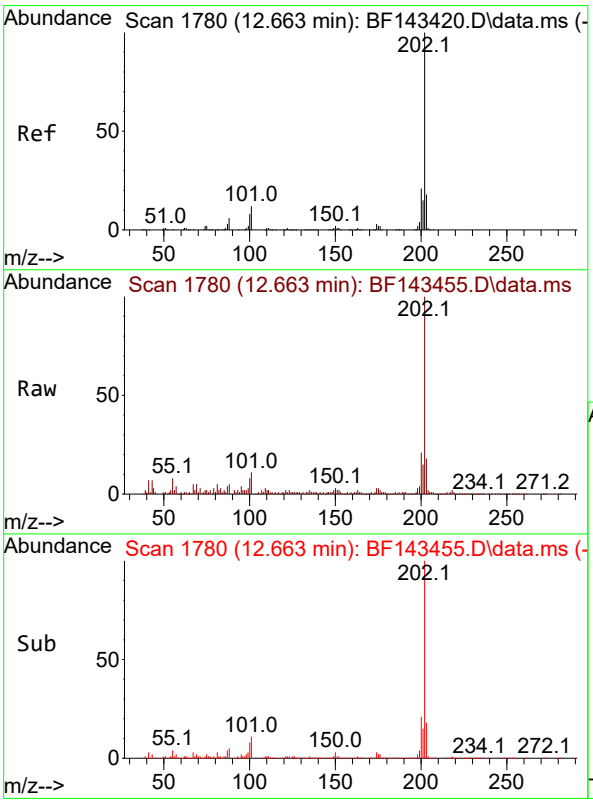
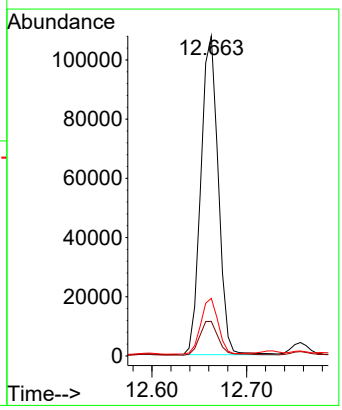
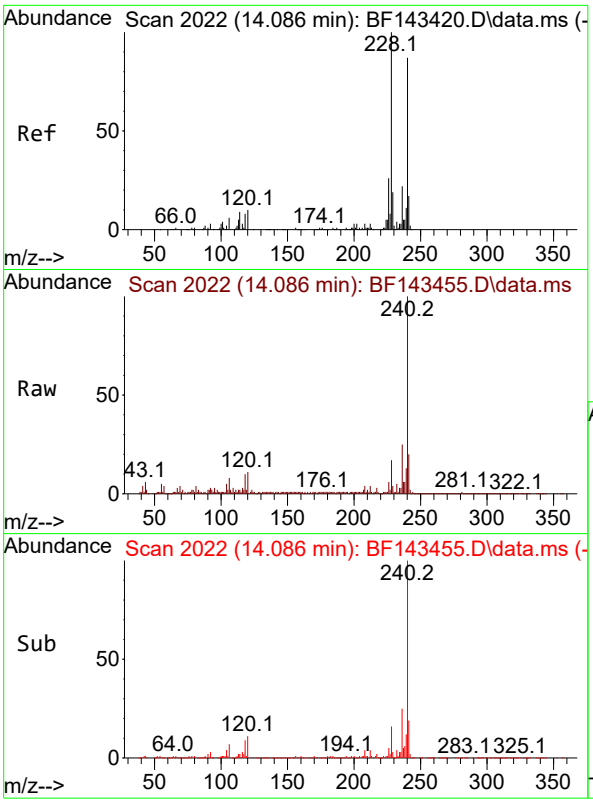


#75
Fluoranthene
Concen: 10.547 ng
RT: 12.663 min Scan# 1780
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:202 Resp: 136964

Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.5
203	18.0	0.0	37.5

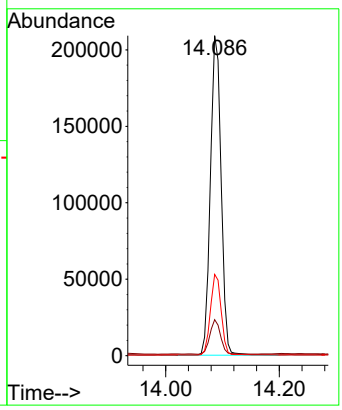




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:240 Resp: 27202

Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.0	13.4
236	25.4	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

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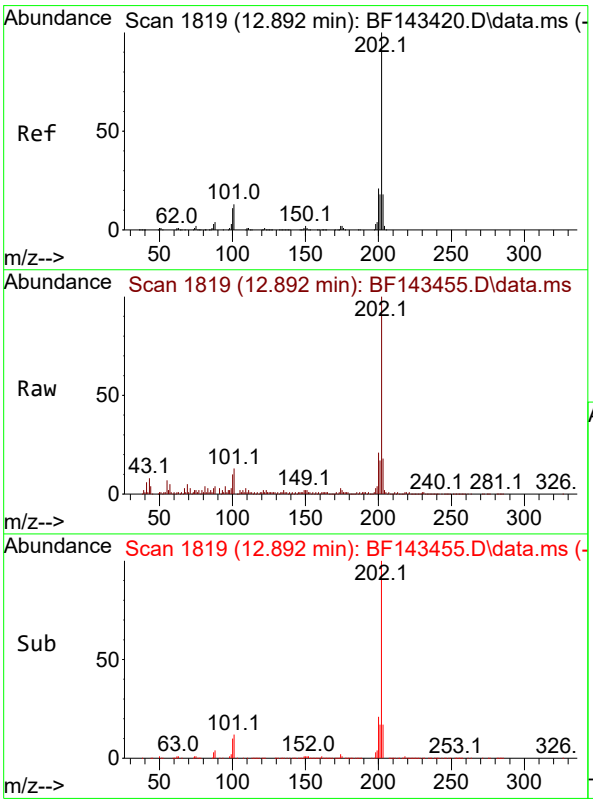
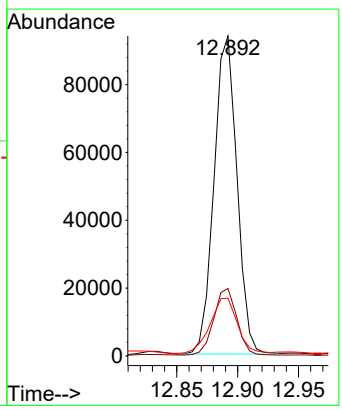
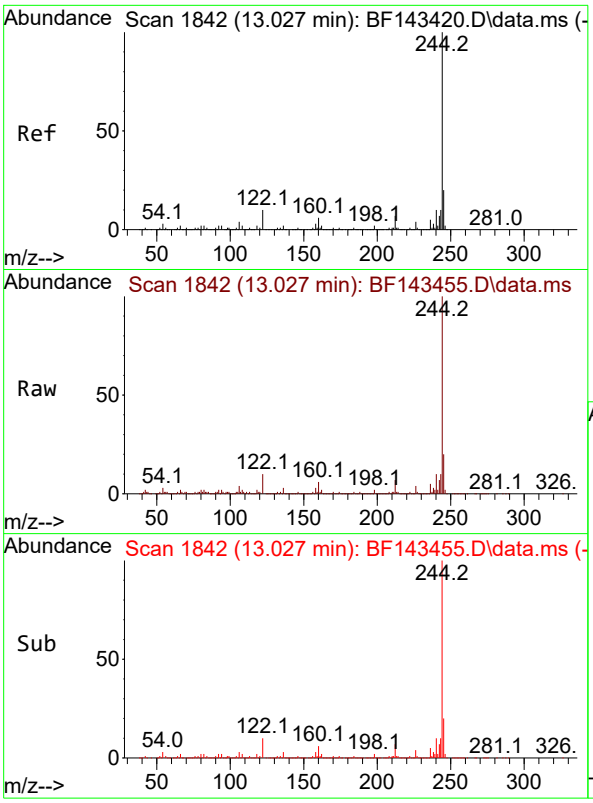


#78
Pyrene
Concen: 5.201 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:202 Resp: 122974

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.1	25.7
203	18.1	14.2	21.2

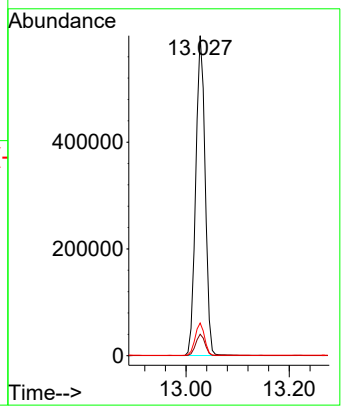




#79
Terphenyl-d14
Concen: 46.649 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:244 Resp: 75540

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.2	7.8
122	10.2	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
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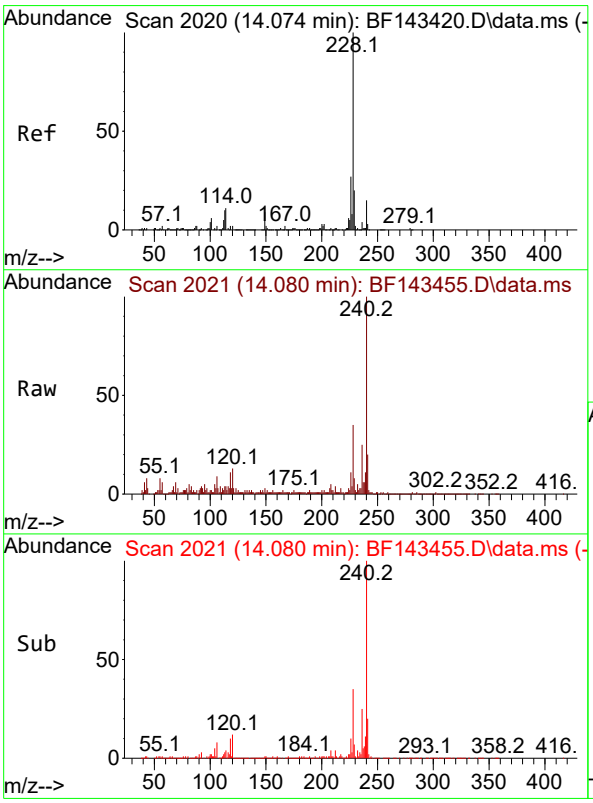
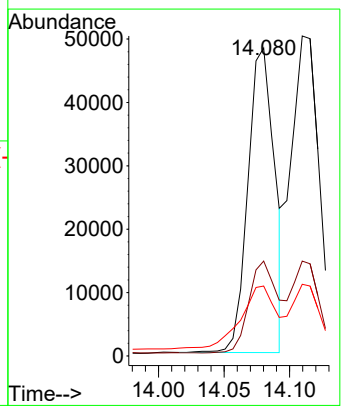
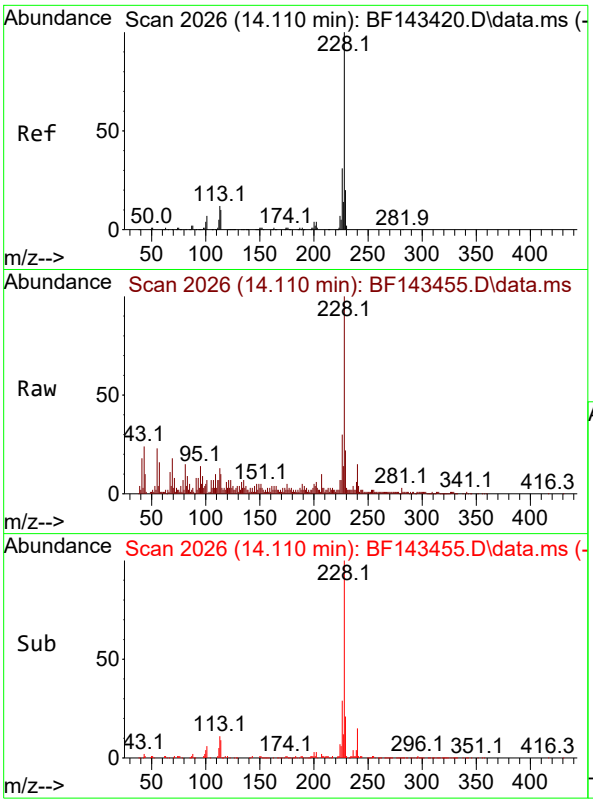


#81
Benzo(a)anthracene
Concen: 3.922 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:228 Resp: 67916

Ion	Ratio	Lower	Upper
228	100		
226	30.8	21.5	32.3
229	22.7	15.7	23.5

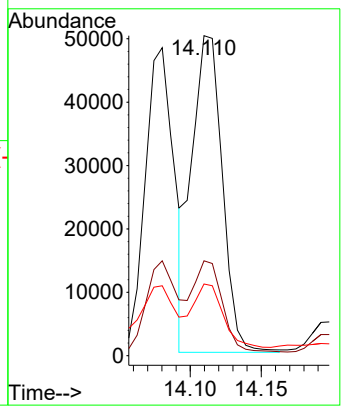




#83
Chrysene
Concen: 4.659 ng
RT: 14.110 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:228 Resp: 7459

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.3	36.5
229	22.4	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
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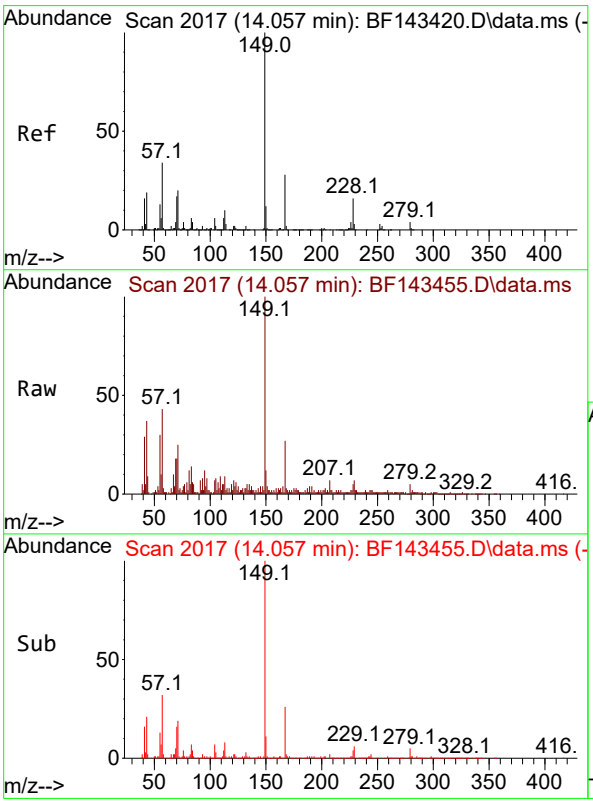
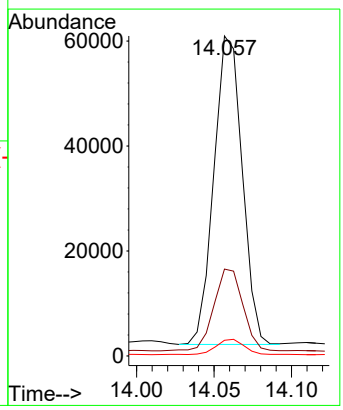
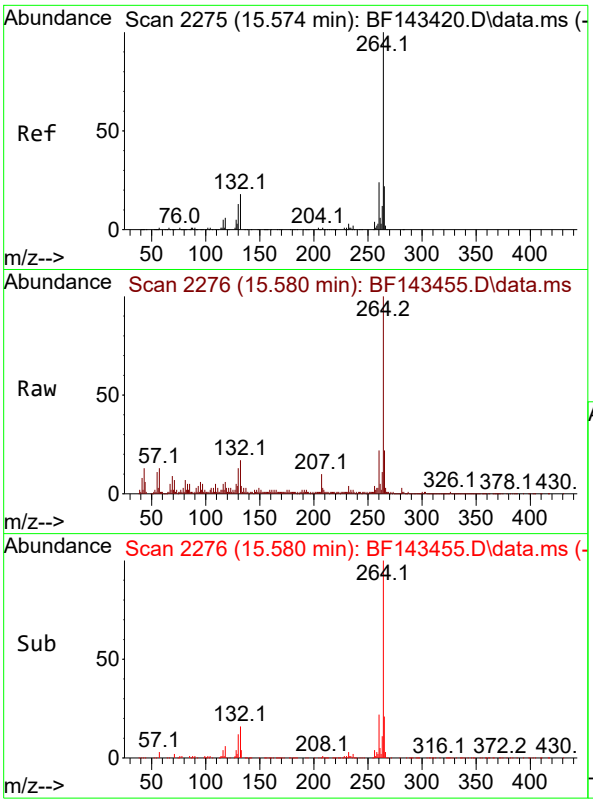


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.979 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:149 Resp: 74678

Ion	Ratio	Lower	Upper
149	100		
167	27.1	22.6	33.8
279	4.9	3.5	5.3

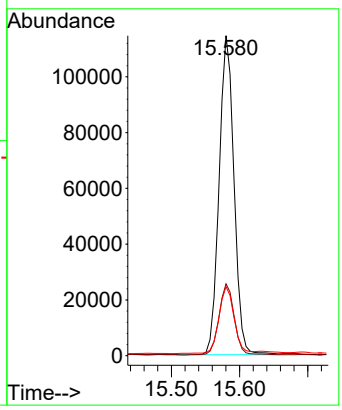




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:264 Resp: 17436

Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.8	28.2
265	21.6	17.4	26.0



Instrument :
BNA_F
ClientSampleId :
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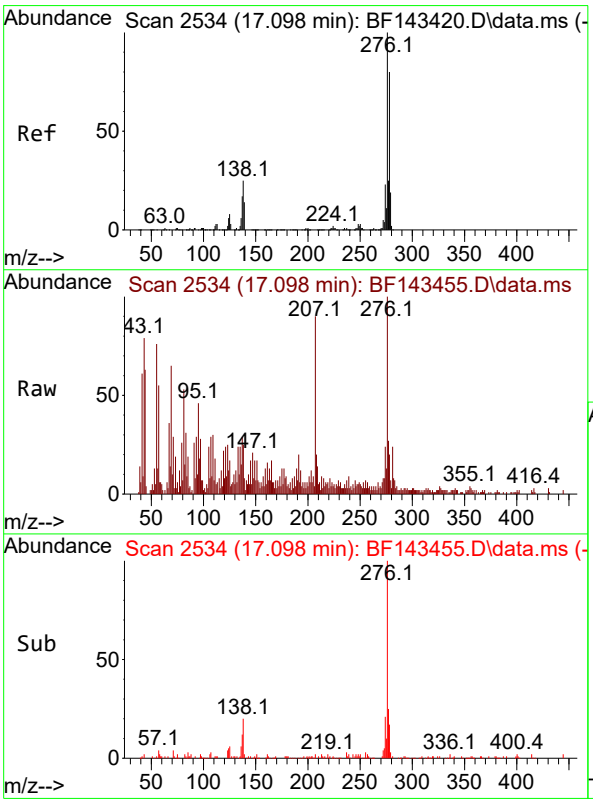
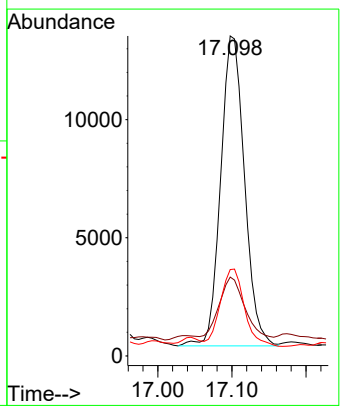
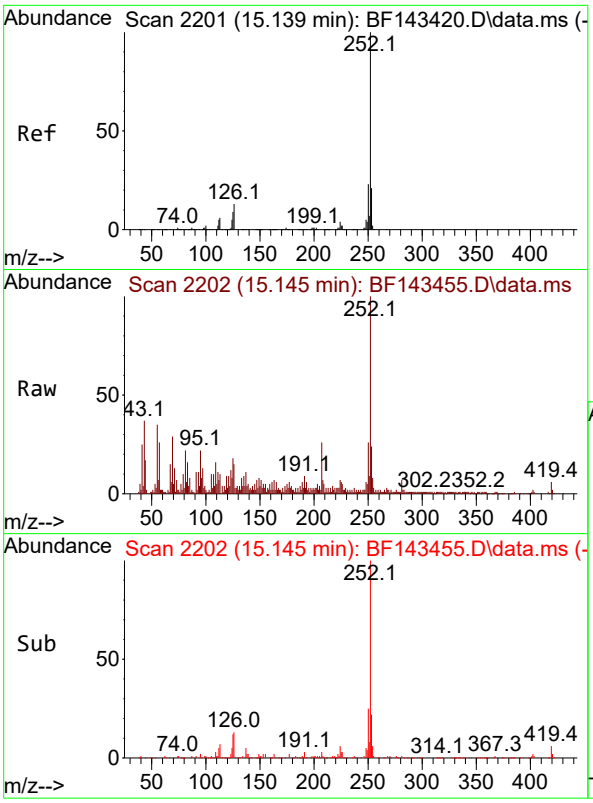


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.239 ng
RT: 17.098 min Scan# 2534
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:276 Resp: 29277

Ion	Ratio	Lower	Upper
276	100		
138	21.5	20.2	30.4
277	25.2	20.2	30.2

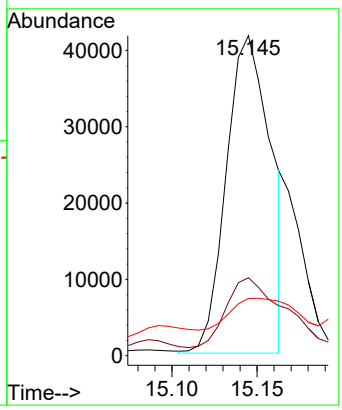




#88
Benzo(b)fluoranthene
Concen: 8.066 ng m
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:252 Resp: 7538

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.1	25.7
125	17.9	7.5	11.3#



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

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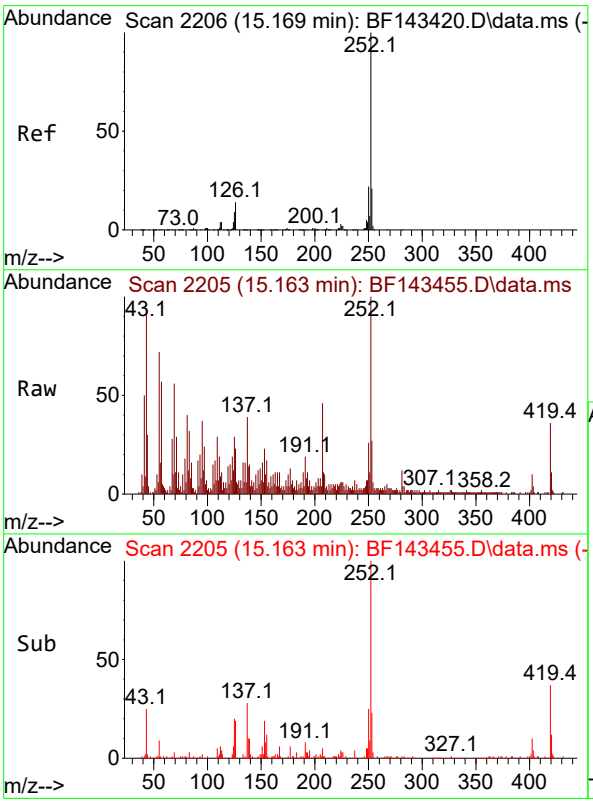
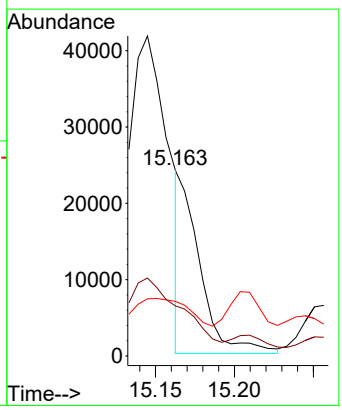
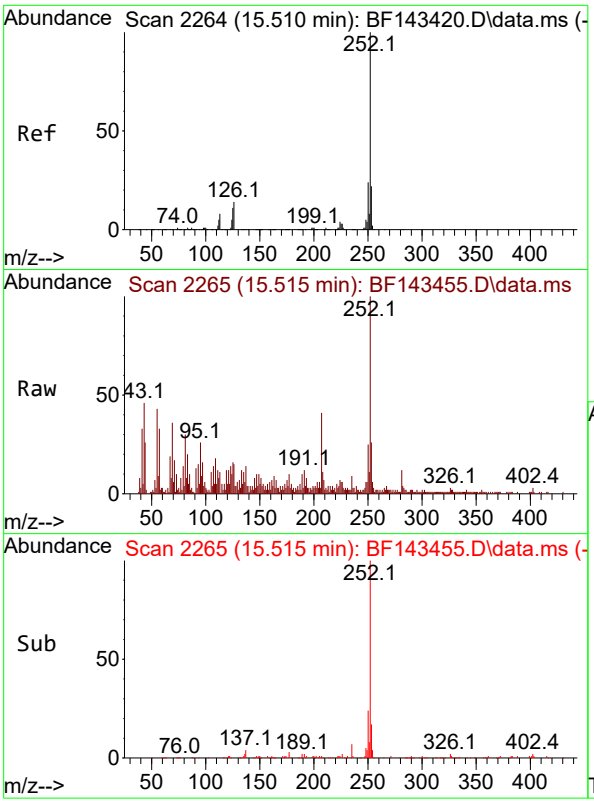


#89
Benzo(k)fluoranthene
Concen: 2.250 ng m
RT: 15.163 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:252 Resp: 20741

Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.2	25.8#
125	29.4	7.4	11.2#

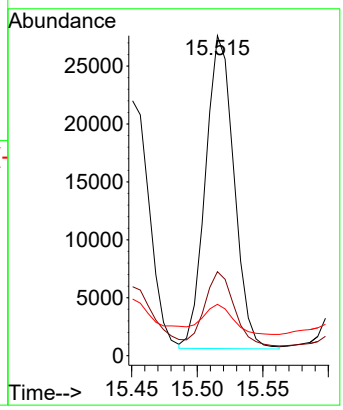




#90
Benzo(a)pyrene
Concen: 4.597 ng
RT: 15.515 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:252 Resp: 4091

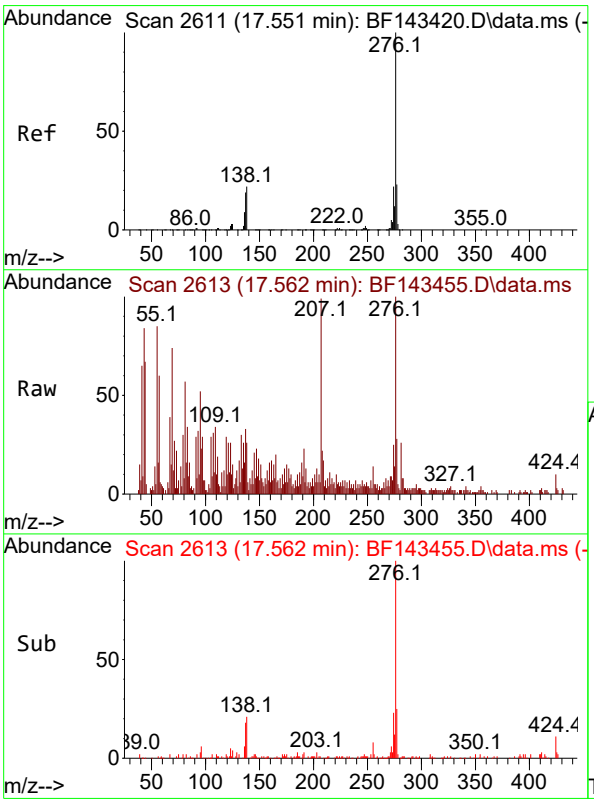
Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.4	26.2#
125	16.1	8.6	12.8#



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Manual Integrations
APPROVED

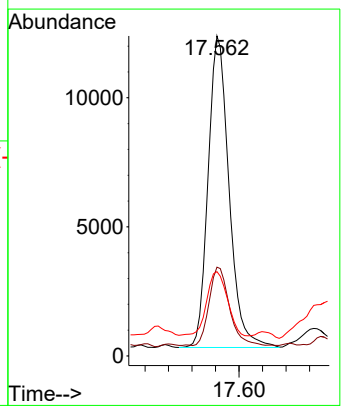
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#92
Benzo(g,h,i)perylene
Concen: 2.846 ng
RT: 17.562 min Scan# 2613
Delta R.T. 0.012 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:276 Resp: 29859

Ion	Ratio	Lower	Upper
276	100		
277	27.8	18.7	28.1
138	26.4	17.5	26.3#



Sample Results: **BF143455.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143455.D
Acq On : 19 Aug 2025 14:28
Operator : RC/JU
Sample : Q2879-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143455.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.234	3	7	15	rVB	498614	762981	20.75%	2.475%
2	5.151	494	503	511	rBV	117486	178664	4.86%	0.580%
3	5.563	568	573	591	rBV	1113445	1478133	40.20%	4.796%
4	6.557	737	742	753	rBV	943754	1276484	34.71%	4.141%
5	6.928	800	805	813	rBV	391015	486916	13.24%	1.580%
6	7.481	894	899	910	rBV	652247	837671	22.78%	2.718%
7	8.204	1015	1022	1031	rBV	413191	547597	14.89%	1.777%
8	9.281	1199	1205	1213	rBV	1096497	1428150	38.84%	4.633%
9	9.957	1315	1320	1325	rBV	453448	602568	16.39%	1.955%
10	10.669	1436	1441	1447	rBV	122128	156739	4.26%	0.509%
11	10.751	1449	1455	1465	rVV	726095	988035	26.87%	3.206%
12	10.980	1490	1494	1499	rVB2	52740	71641	1.95%	0.232%
13	11.445	1568	1573	1580	rBV2	536384	821102	22.33%	2.664%
14	11.974	1658	1663	1674	rVB2	374015	629648	17.12%	2.043%
15	12.145	1689	1692	1698	rVB3	54179	73257	1.99%	0.238%
16	12.592	1764	1768	1775	rVB2	98306	147708	4.02%	0.479%
17	12.663	1776	1780	1792	rBV	279606	584164	15.89%	1.895%
18	12.757	1792	1796	1805	rBV	113291	190652	5.18%	0.619%
19	12.892	1814	1819	1825	rVB	202137	295440	8.03%	0.959%
20	13.027	1837	1842	1850	rBV	1574272	2011021	54.69%	6.525%
21	13.392	1901	1904	1908	rBV	77496	114373	3.11%	0.371%
22	13.469	1913	1917	1921	rVV3	107698	179170	4.87%	0.581%
23	13.921	1991	1994	2005	rVB2	484988	911002	24.77%	2.956%
24	14.063	2014	2018	2019	rBV	195429	259039	7.04%	0.840%
25	14.086	2019	2022	2030	rVB2	603048	922070	25.07%	2.992%
26	14.551	2096	2101	2108	rBV3	491983	921927	25.07%	2.991%
27	14.933	2163	2166	2173	rVB	262291	376585	10.24%	1.222%
28	15.204	2208	2212	2217	rBV	1208417	1661105	45.17%	5.389%
29	15.580	2272	2276	2291	rVB	308117	513679	13.97%	1.667%
30	16.045	2349	2355	2361	rVB	794906	1369692	37.25%	4.444%
31	16.327	2399	2403	2417	rVB2	292781	635721	17.29%	2.063%
32	17.756	2633	2646	2656	rBV4	926445	3677296	100.00%	11.931%
33	17.939	2672	2677	2684	rVB	308906	697903	18.98%	2.264%
34	18.203	2714	2722	2732	rBV	726140	2291083	62.30%	7.433%
35	18.562	2775	2783	2802	rBV6	527404	2723374	74.06%	8.836%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143455.D
Acq On : 19 Aug 2025 14:28
Operator : RC/JU
Sample : Q2879-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 30822590

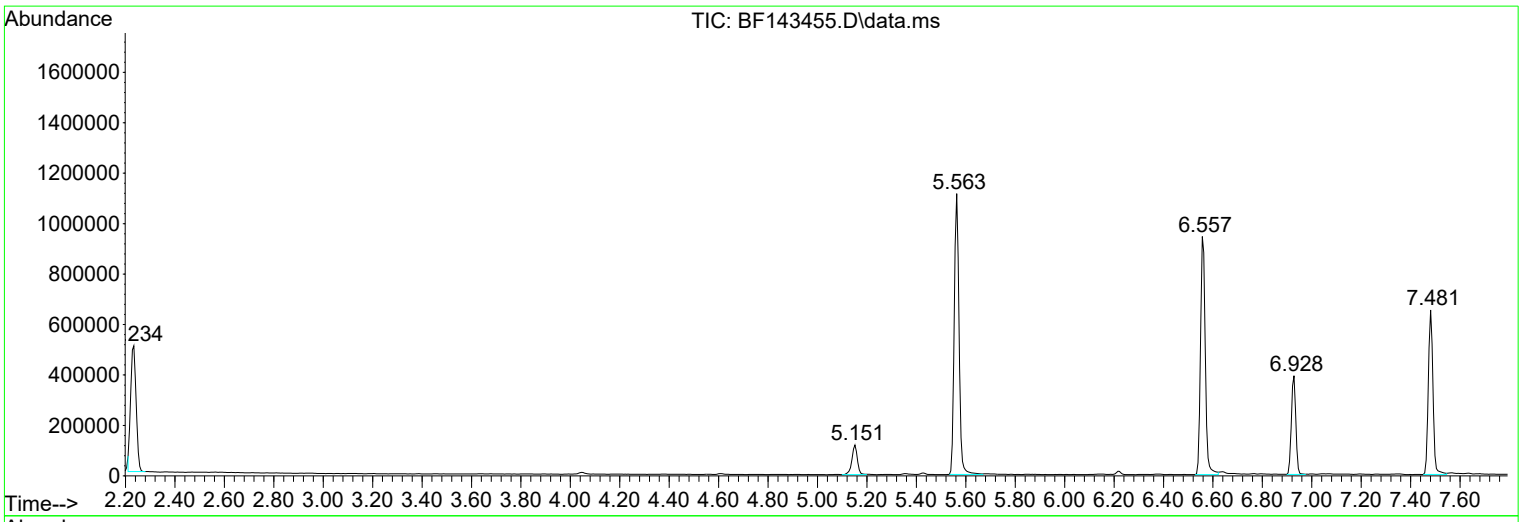
Sample Results: **BF143455.D**

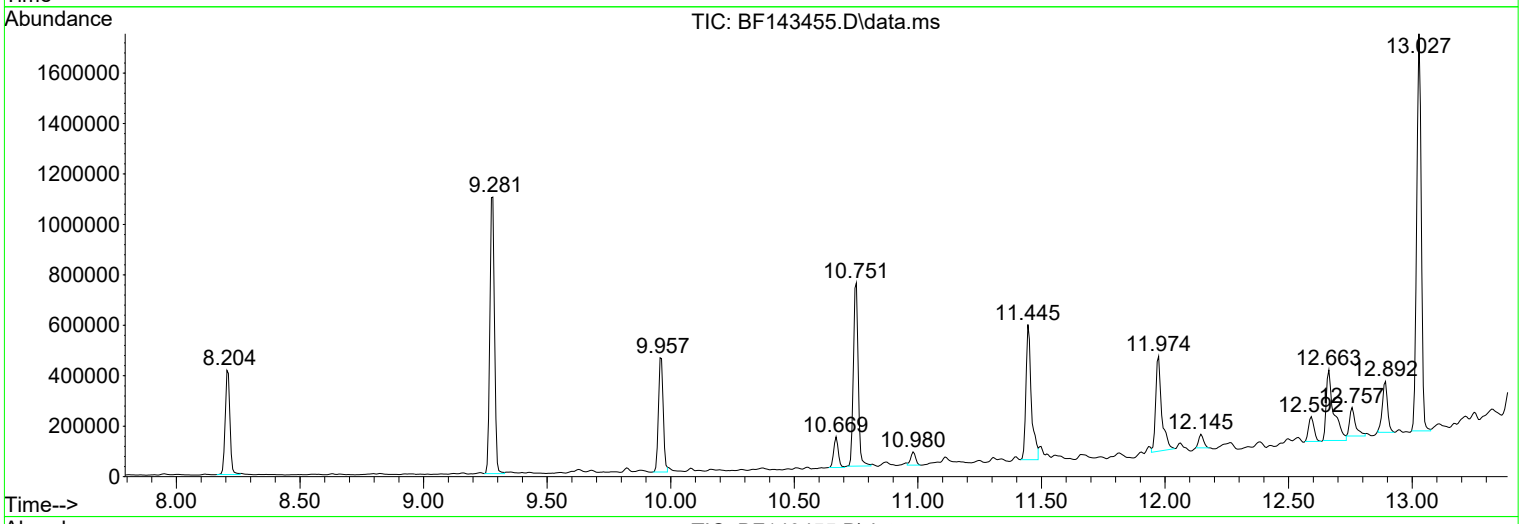
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143455.D
Acq On : 19 Aug 2025 14:28
Operator : RC/JU
Sample : Q2879-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

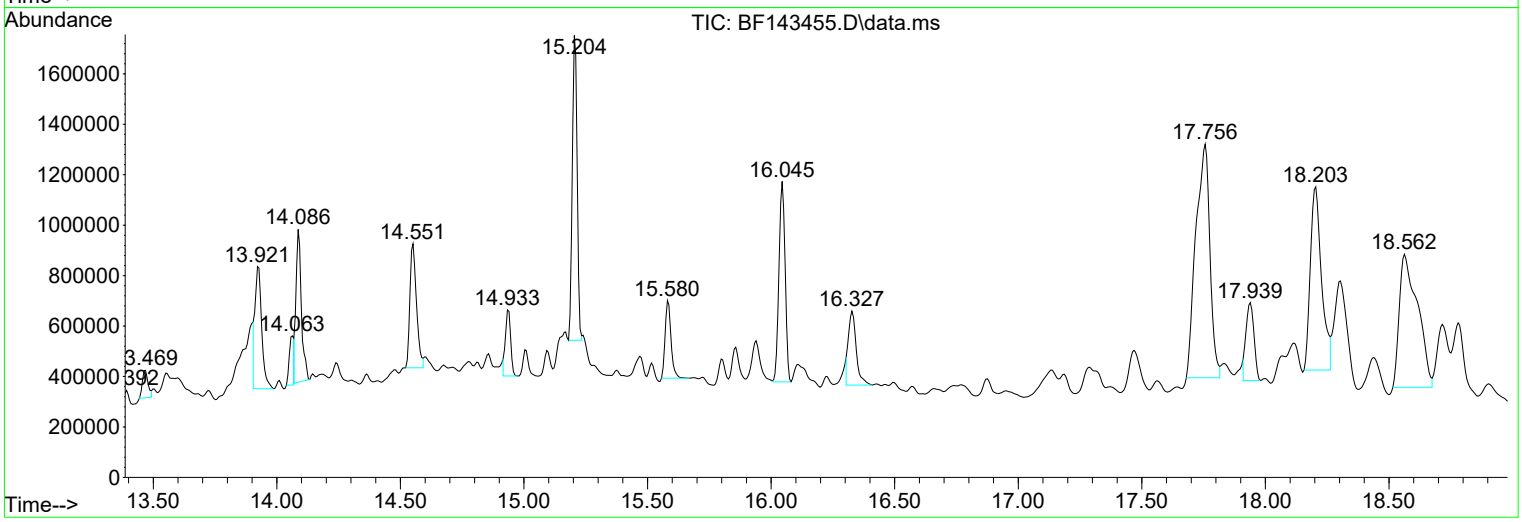
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143455.D
Acq On : 19 Aug 2025 14:28
Operator : RC/JU
Sample : Q2879-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143455.D
Acq On : 19 Aug 2025 14:28
Operator : RC/JU
Sample : Q2879-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP08-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.3
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143456.D	1	08/18/25 09:06	08/19/25 14:57	PB169285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.025	0.14	0.19	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.028	0.14	0.19	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.032	0.14	0.19	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.023	0.14	0.19	mg/Kg
86-73-7	Fluorene	0.14	U	0.028	0.14	0.19	mg/Kg
85-01-8	Phenanthrene	0.10	J	0.023	0.14	0.19	mg/Kg
120-12-7	Anthracene	0.14	U	0.036	0.14	0.19	mg/Kg
206-44-0	Fluoranthene	0.38		0.033	0.14	0.19	mg/Kg
129-00-0	Pyrene	0.19		0.039	0.14	0.19	mg/Kg
56-55-3	Benzo(a)anthracene	0.15	J	0.025	0.14	0.19	mg/Kg
218-01-9	Chrysene	0.15	J	0.022	0.14	0.19	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.27		0.021	0.14	0.19	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.084	J	0.025	0.14	0.19	mg/Kg
50-32-8	Benzo(a)pyrene	0.15	J	0.032	0.14	0.19	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.032	0.14	0.19	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.030	0.14	0.19	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.093	J	0.028	0.14	0.19	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	49.5		37 - 122		49%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.3		44 - 115		50%	SPK: 100
1718-51-0	Terphenyl-d14	41.7	*	54 - 127		42%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	98800	6.928				
1146-65-2	Naphthalene-d8	308000	8.21				
15067-26-2	Acenaphthene-d10	157000	9.963				
1517-22-2	Phenanthrene-d10	285000	11.445				
1719-03-5	Chrysene-d12	280000	14.092				
1520-96-3	Perylene-d12	185000	15.58				
TENTATIVE IDENTIFIED COMPOUNDS							

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP08-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.3
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143456.D	1	08/18/25 09:06	08/19/25 14:57	PB169285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972608	Alachlor	N.D					
82-68-8	Quintozine	N.D					

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143456.D
Acq On : 19 Aug 2025 14:57
Operator : RC/JU
Sample : Q2879-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

Quant Time: Aug 19 15:23:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	98829	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	307720	20.000	ng		0.00
39) Acenaphthene-d10	9.963	164	157233	20.000	ng		0.00
64) Phenanthrene-d10	11.445	188	284588	20.000	ng		0.00
76) Chrysene-d12	14.092	240	279953	20.000	ng		0.00
86) Perylene-d12	15.580	264	184800	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.563	112	340026	59.808	ng		0.00
7) Phenol-d6	6.557	99	406539	56.741	ng		0.00
23) Nitrobenzene-d5	7.481	82	256663	49.493	ng		0.00
42) 2,4,6-Tribromophenol	10.751	330	104537	74.696	ng		0.00
45) 2-Fluorobiphenyl	9.281	172	470643	50.347	ng		0.00
79) Terphenyl-d14	13.027	244	695073	41.708	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	11.469	178	42555	2.761	ng		98
75) Fluoranthene	12.663	202	142859	10.433	ng		99
78) Pyrene	12.892	202	128011	5.261	ng		99
81) Benzo(a)anthracene	14.080	228	75556	4.239	ng		92
83) Chrysene	14.116	228	68136	4.135	ng		97
84) Bis(2-ethylhexyl)phtha...	14.063	149	37889	4.427	ng		99
88) Benzo(b)fluoranthene	15.145	252	72524m	7.322	ng		
89) Benzo(k)fluoranthene	15.163	252	22536m	2.307	ng		
90) Benzo(a)pyrene	15.516	252	40067	4.247	ng	#	87
92) Benzo(g,h,i)perylene	17.568	276	28343	2.549	ng	#	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

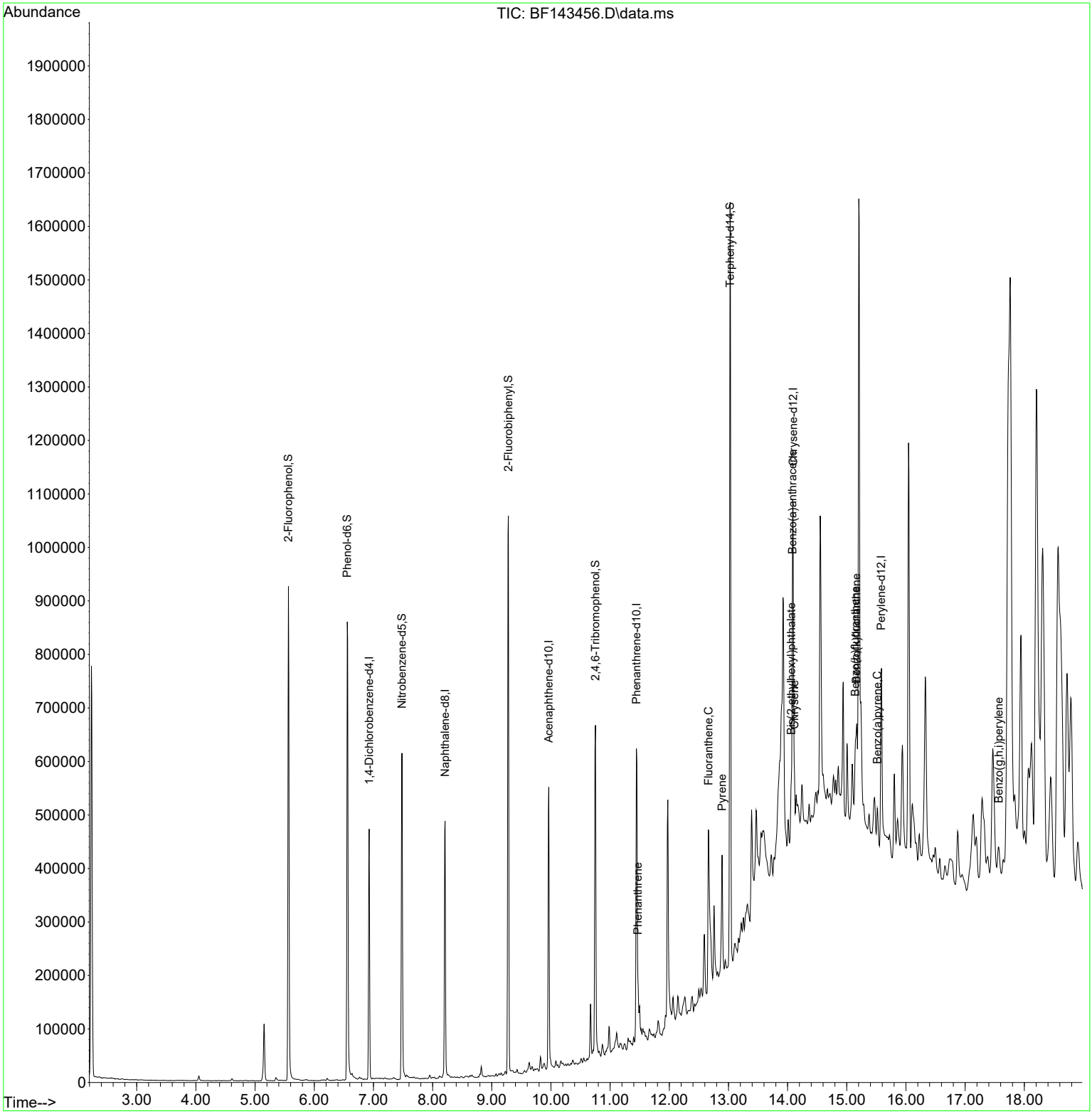
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143456.D
Acq On : 19 Aug 2025 14:57
Operator : RC/JU
Sample : Q2879-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

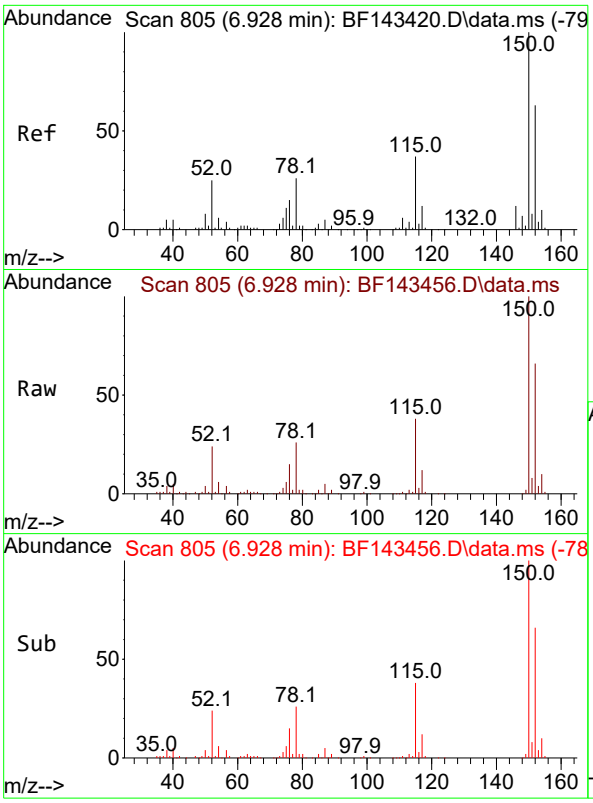
Quant Time: Aug 19 15:23:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

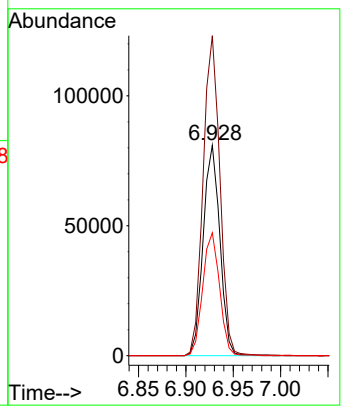




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:152 Resp: 9882

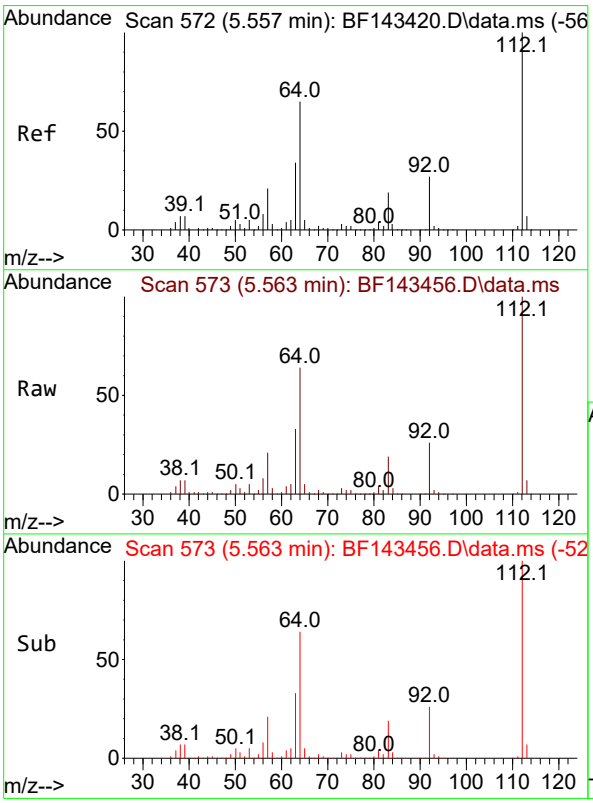
Ion	Ratio	Lower	Upper
152	100		
150	152.0	127.4	191.2
115	58.4	47.5	71.3



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Manual Integrations
APPROVED

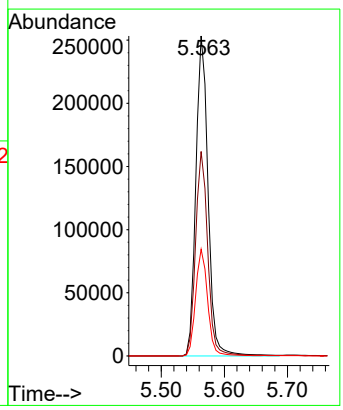
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

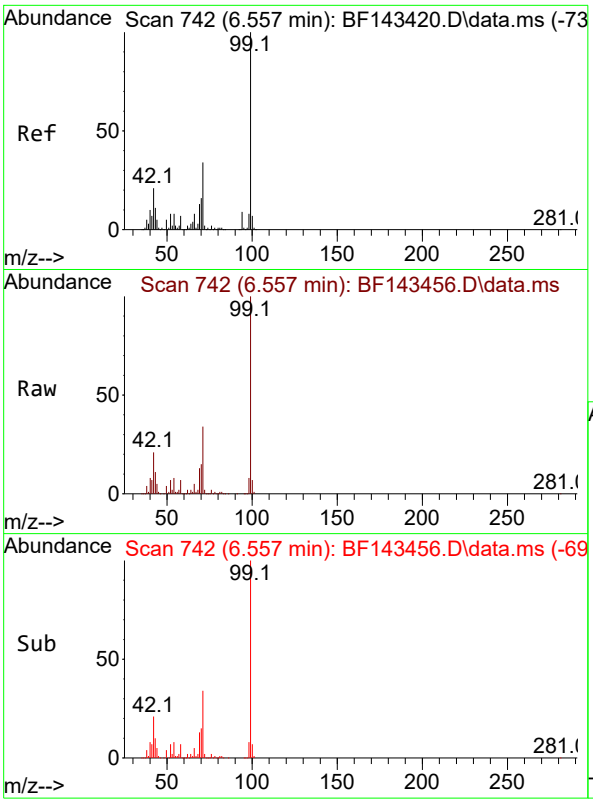


#5
2-Fluorophenol
Concen: 59.808 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:112 Resp: 340026

Ion	Ratio	Lower	Upper
112	100		
64	63.9	52.2	78.2
63	33.4	27.0	40.6

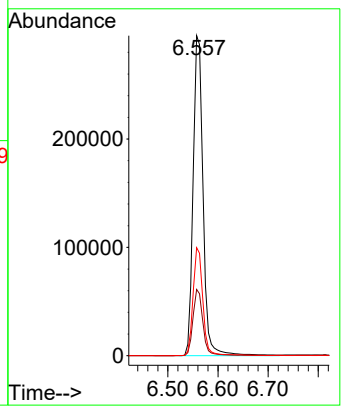




#7
Phenol-d6
Concen: 56.741 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion: 99 Resp: 40653

Ion	Ratio	Lower	Upper
99	100		
42	20.7	17.0	25.6
71	33.8	27.4	41.2



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

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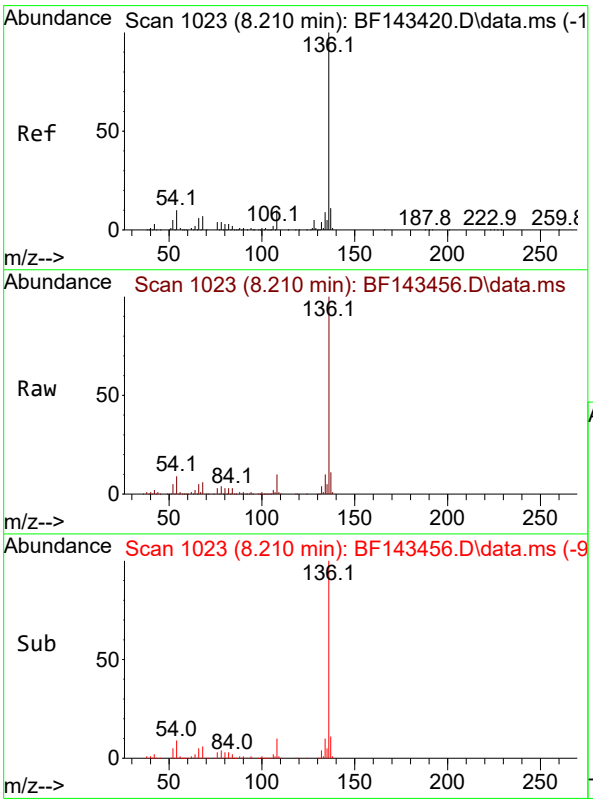
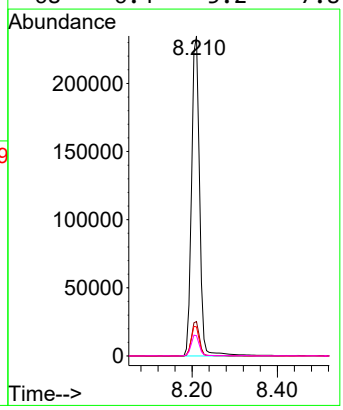
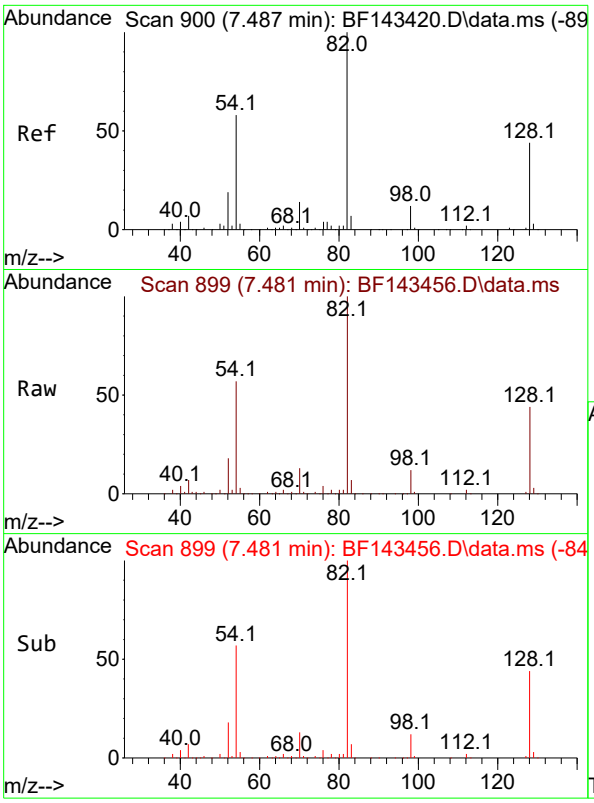


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:136 Resp: 307720

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	9.1	7.8	11.8
68	6.4	5.2	7.8

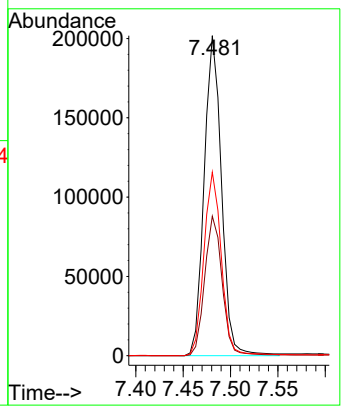




#23
Nitrobenzene-d5
Concen: 49.493 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion: 82 Resp: 25666

Ion	Ratio	Lower	Upper
82	100		
128	43.6	34.6	52.0
54	57.3	46.0	69.0



Instrument :
BNA_F
ClientSampleId :
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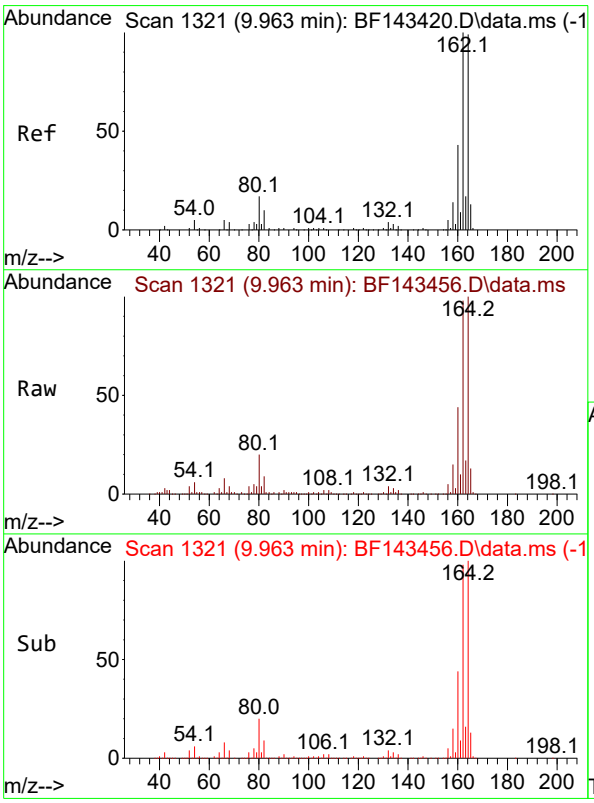
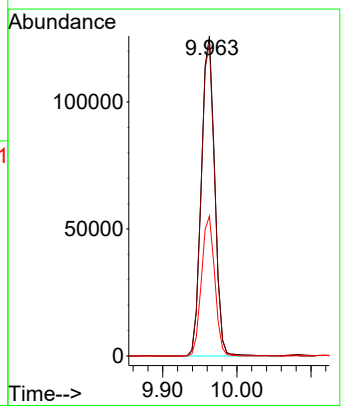
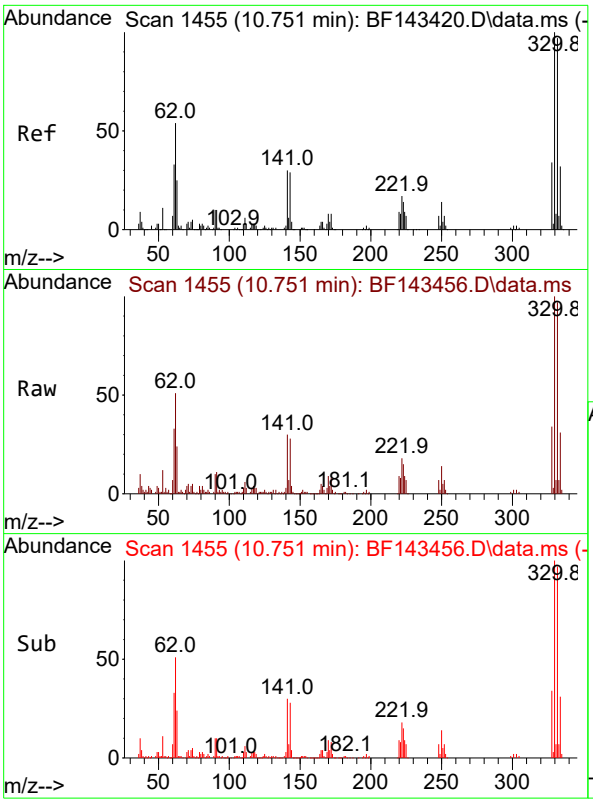


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:164 Resp: 157233

Ion	Ratio	Lower	Upper
164	100		
162	98.1	80.6	121.0
160	43.7	34.6	51.8

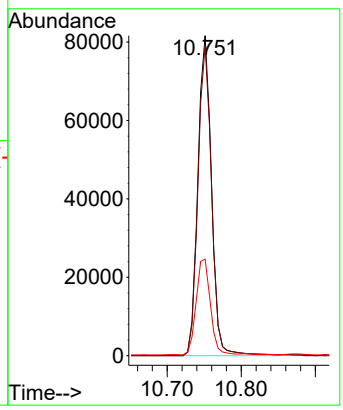




#42
2,4,6-Tribromophenol
Concen: 74.696 ng
RT: 10.751 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:330 Resp: 10453

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.4	116.2
141	30.9	24.1	36.1



Instrument :
BNA_F
ClientSampleId :
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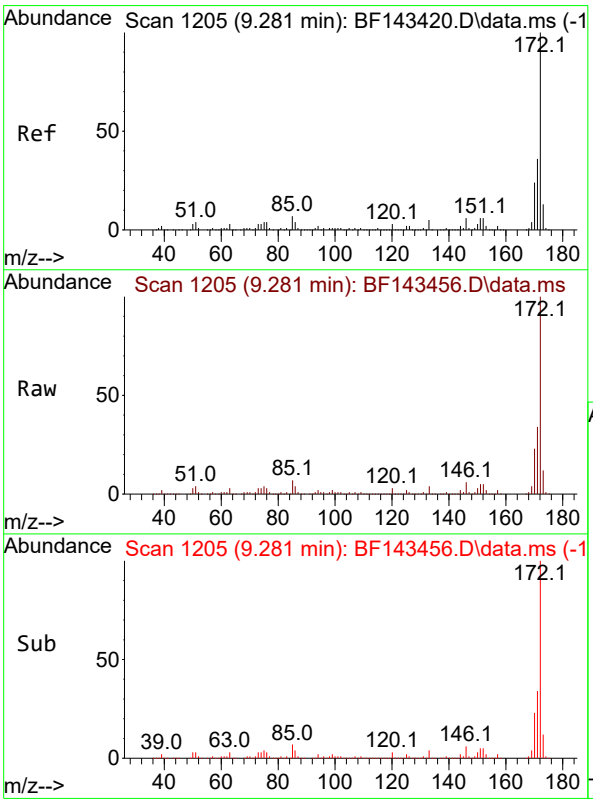
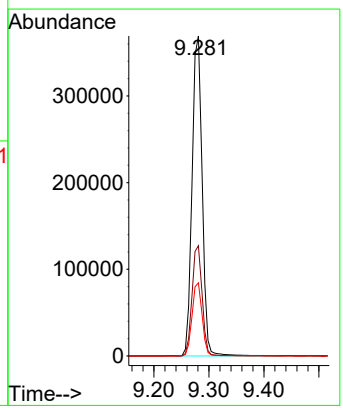
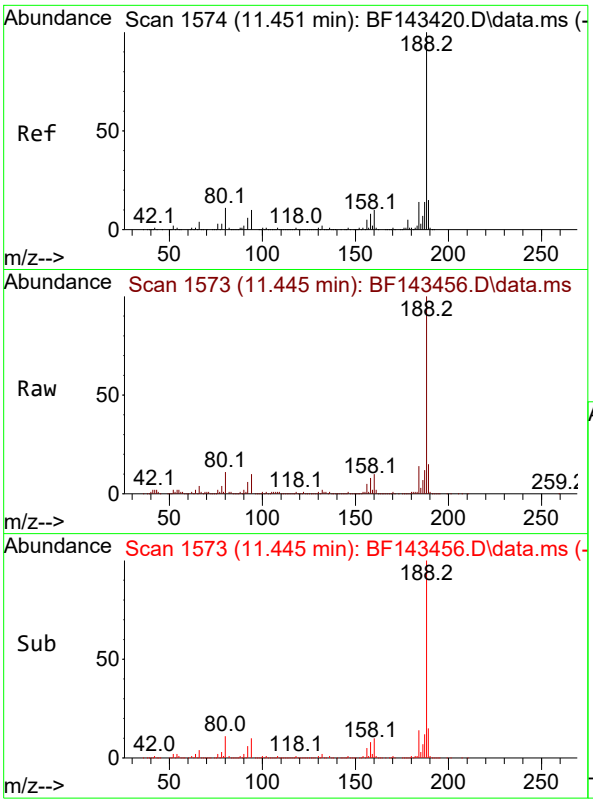


#45
2-Fluorobiphenyl
Concen: 50.347 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:172 Resp: 470643

Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.7	43.1
170	22.9	19.0	28.6

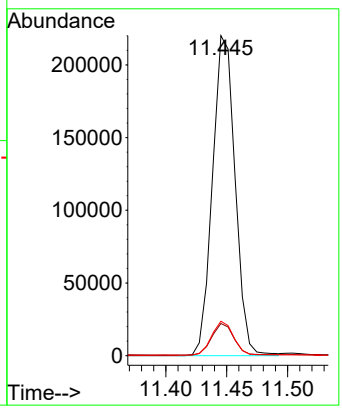




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:188 Resp: 28458

Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.0	12.0
80	10.8	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
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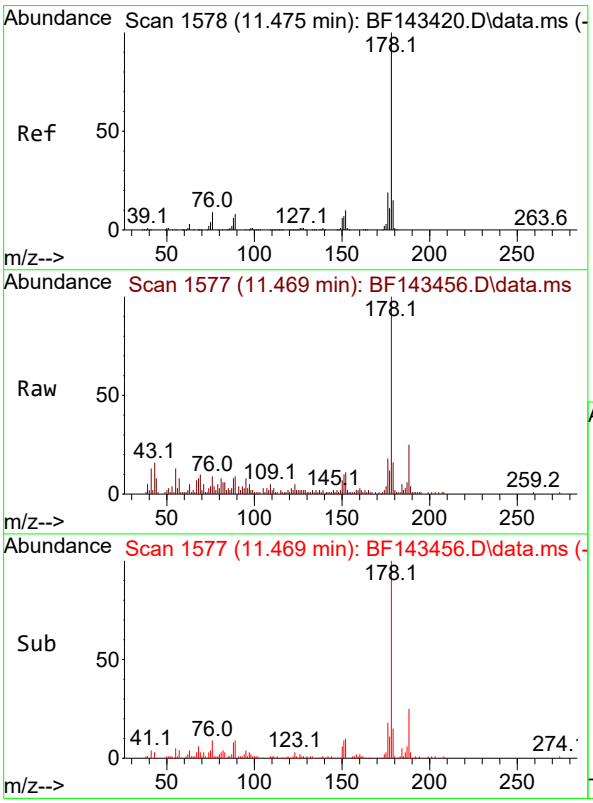
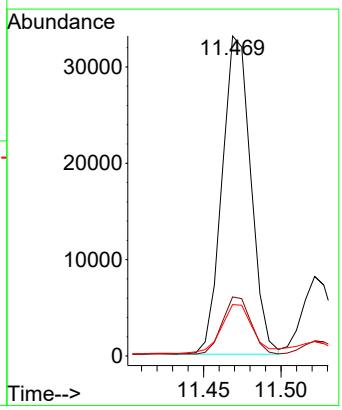
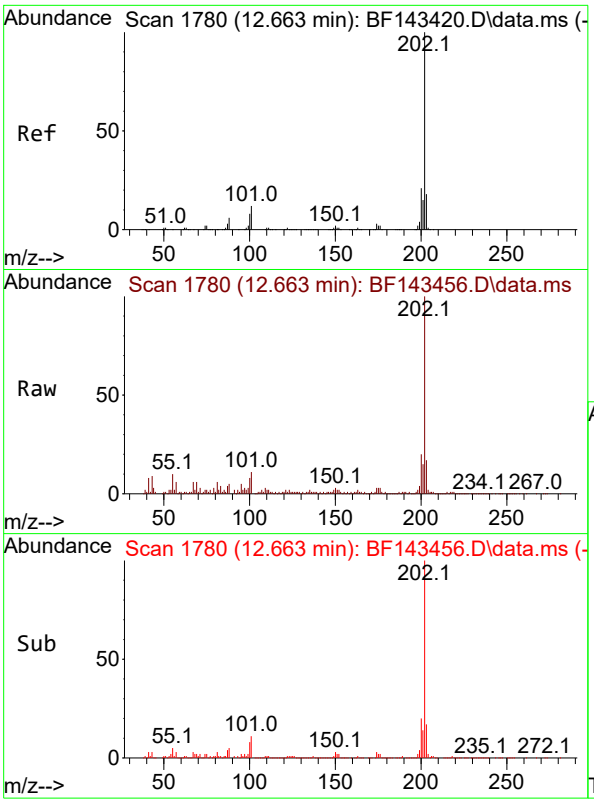


#71
Phenanthrene
Concen: 2.761 ng
RT: 11.469 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:178 Resp: 42555

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.0
179	16.0	12.3	18.5

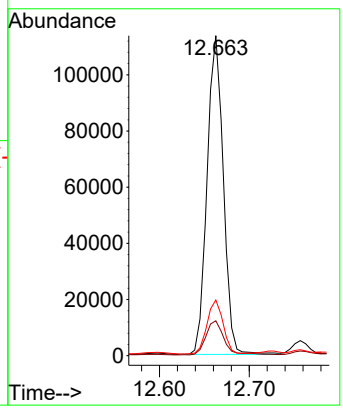




#75
Fluoranthene
Concen: 10.433 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:202 Resp: 14285

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	31.5
203	17.4	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

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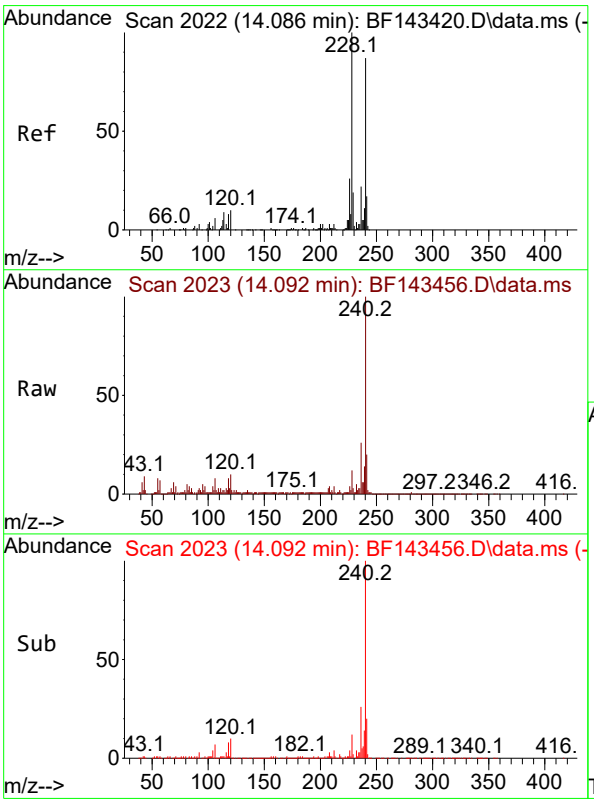
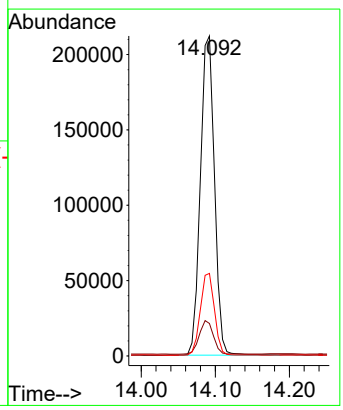
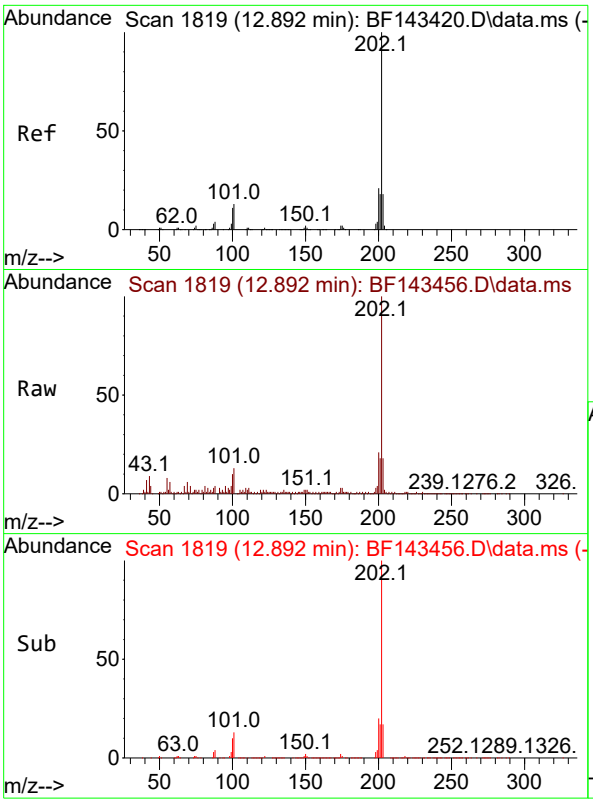


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. 0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:240 Resp: 279953

Ion	Ratio	Lower	Upper
240	100		
120	10.1	9.0	13.4
236	25.8	20.2	30.2

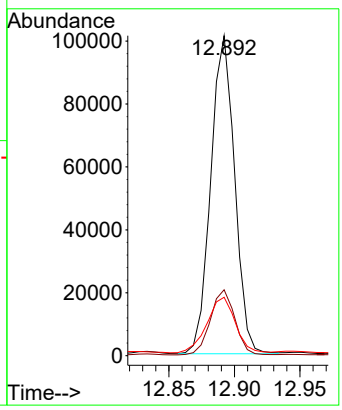




#78
Pyrene
Concen: 5.261 ng
RT: 12.892 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:202 Resp: 12801

Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.1	25.7
203	18.3	14.2	21.2



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

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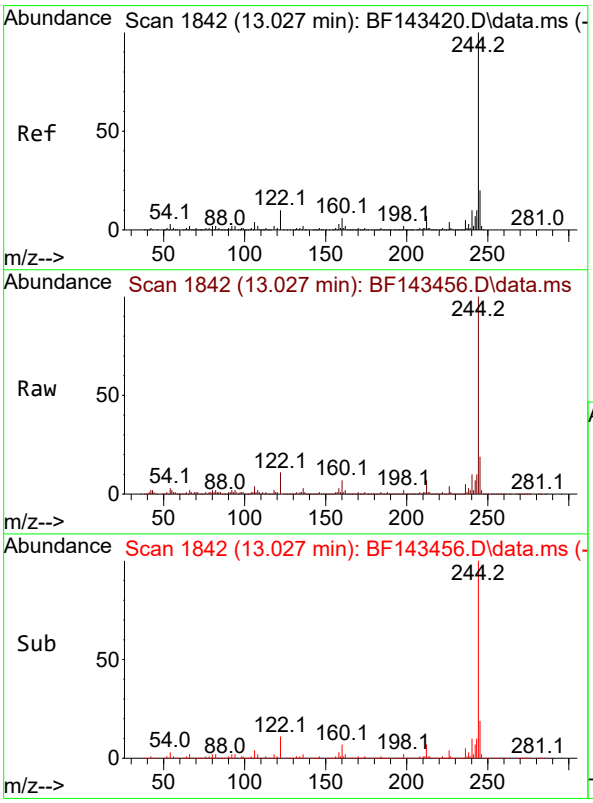
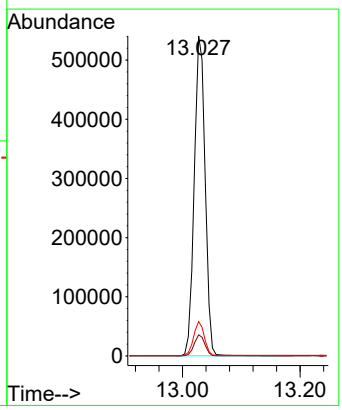
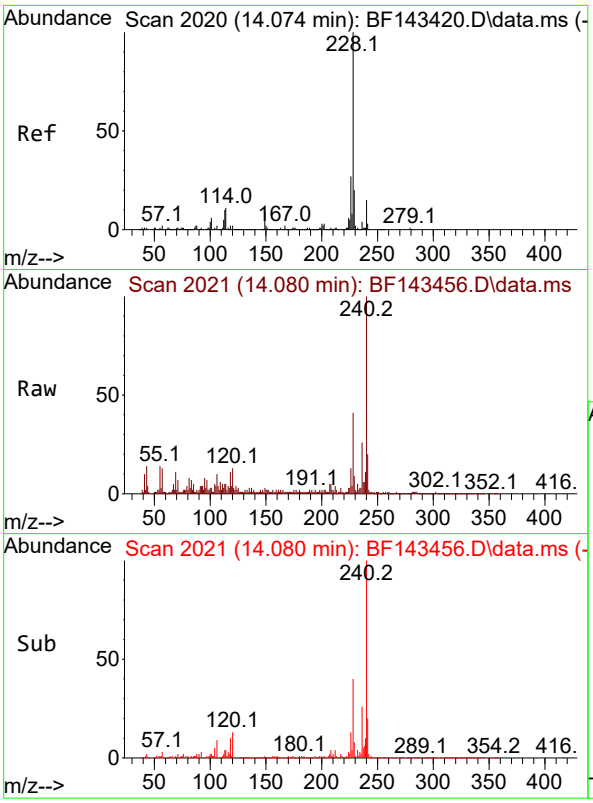


#79
Terphenyl-d14
Concen: 41.708 ng
RT: 13.027 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:244 Resp: 695073

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	10.7	8.3	12.5

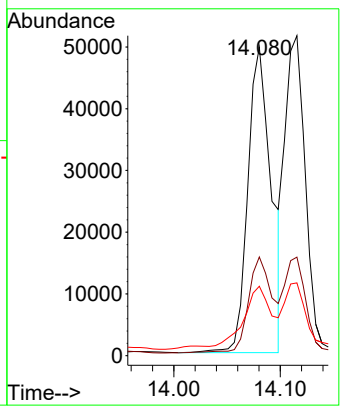




#81
Benzo(a)anthracene
Concen: 4.239 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:228 Resp: 7555

Ion	Ratio	Lower	Upper
228	100		
226	32.0	21.5	32.3
229	22.5	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

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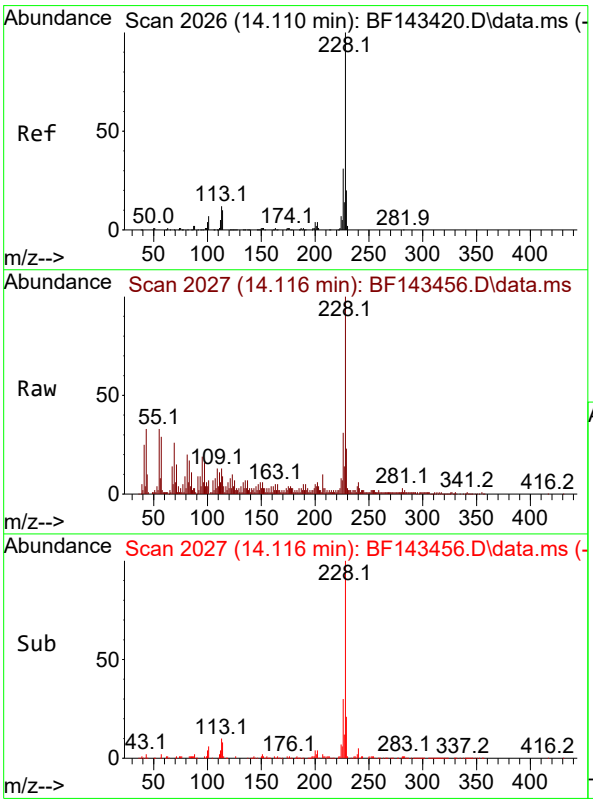
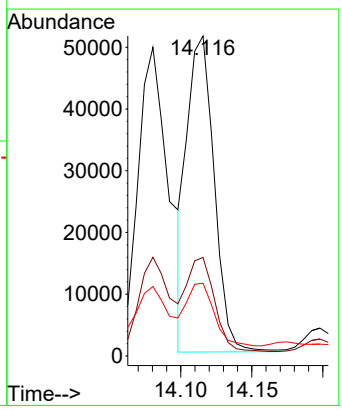
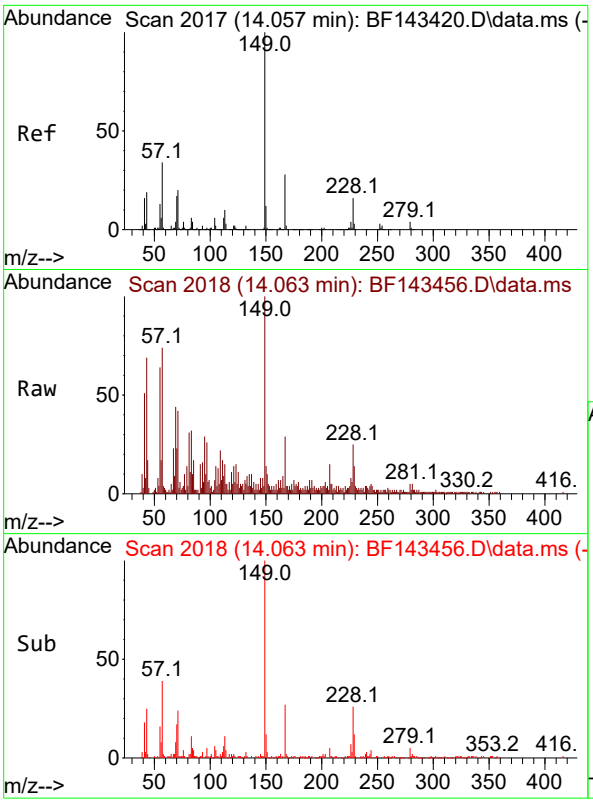


#83
Chrysene
Concen: 4.135 ng
RT: 14.116 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:228 Resp: 68136

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.3	36.5
229	22.8	16.1	24.1





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.427 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:149 Resp: 3788

Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.6	33.8
279	5.1	3.5	5.3

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

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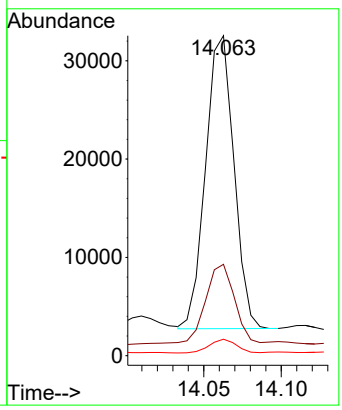
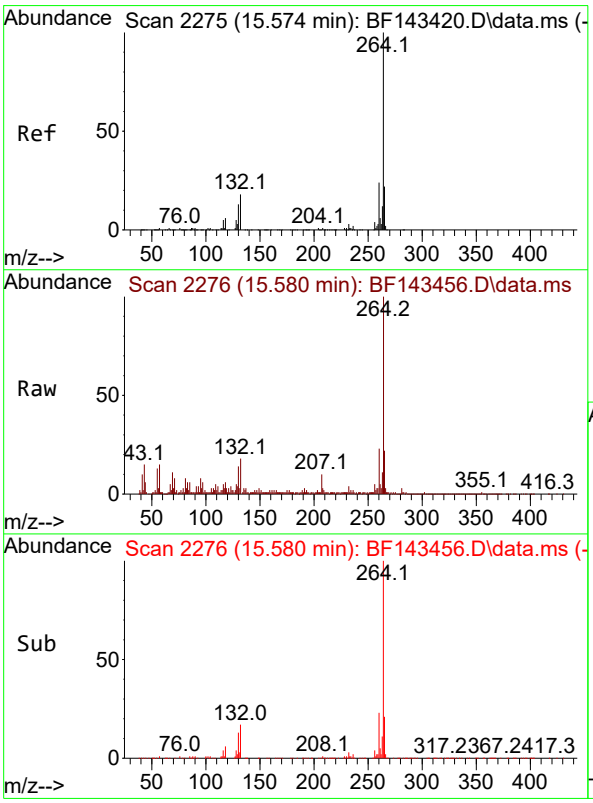
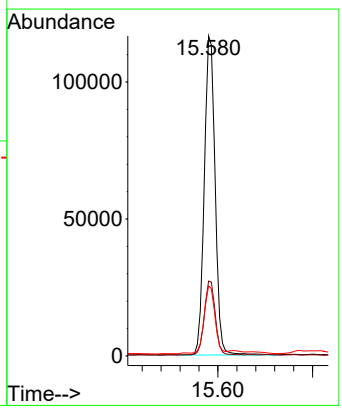


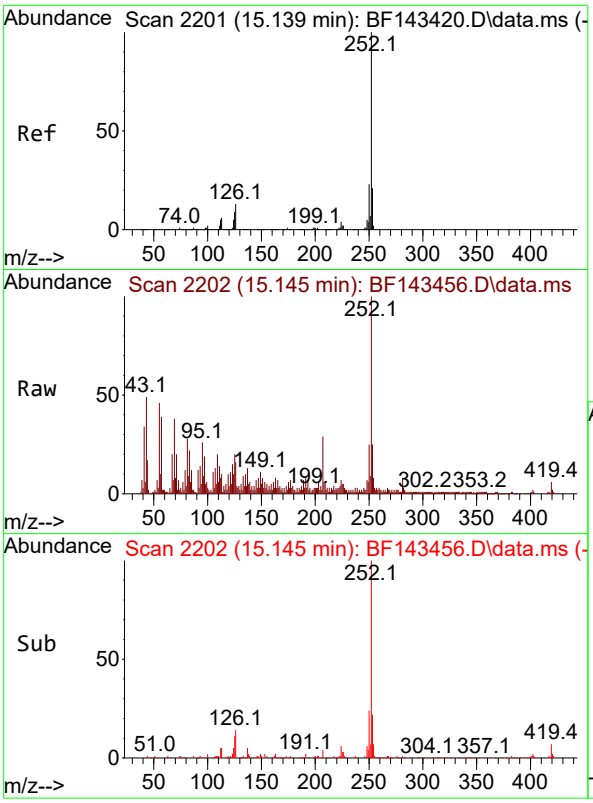


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:264 Resp: 184800

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.8	28.2
265	21.9	17.4	26.0

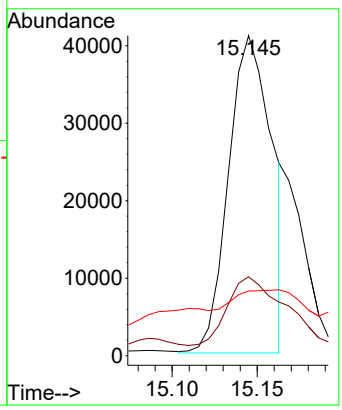




#88
Benzo(b)fluoranthene
Concen: 7.322 ng m
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:252 Resp: 7252

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.1	25.7
125	20.2	7.5	11.3#



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

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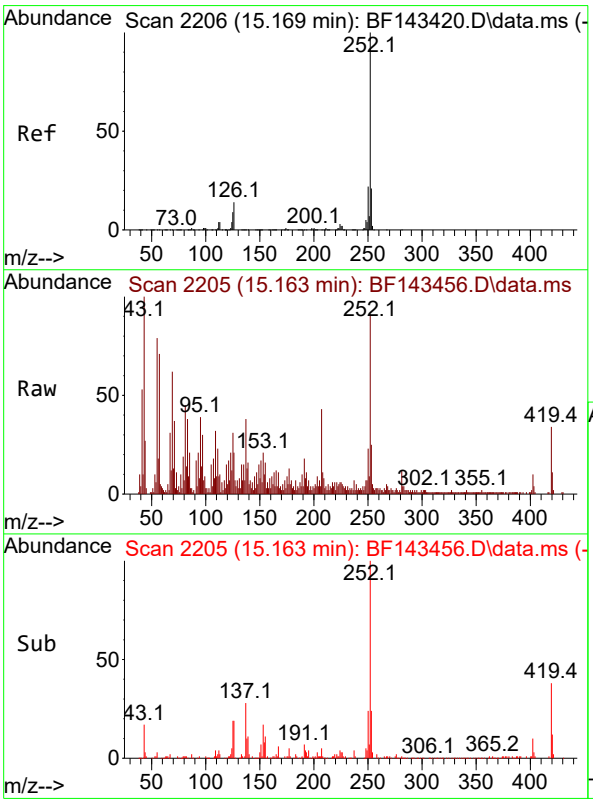
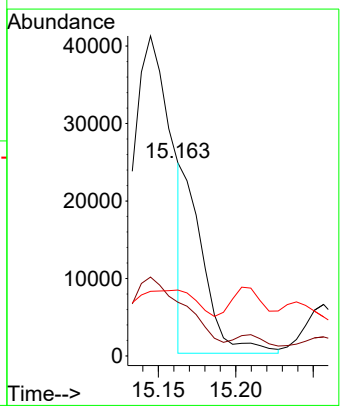
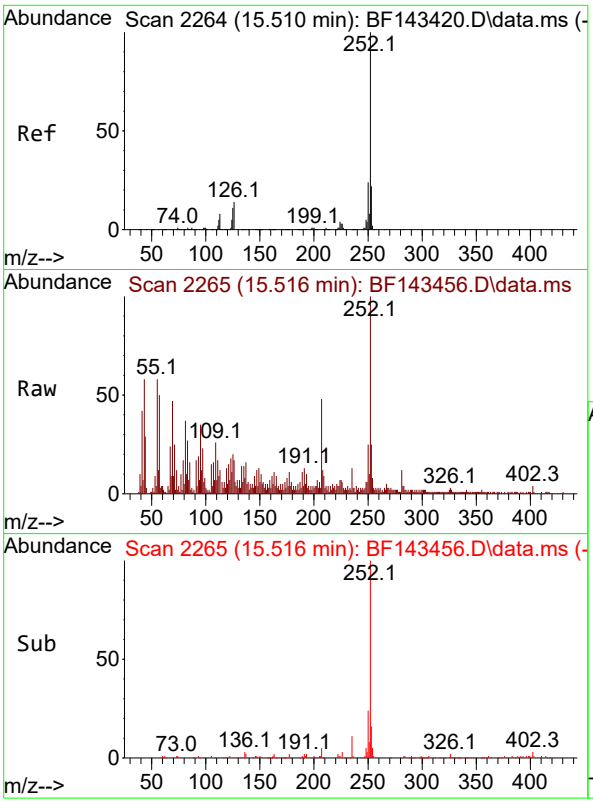


#89
Benzo(k)fluoranthene
Concen: 2.307 ng m
RT: 15.163 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:252 Resp: 22536

Ion	Ratio	Lower	Upper
252	100		
253	27.8	17.2	25.8#
125	34.1	7.4	11.2#

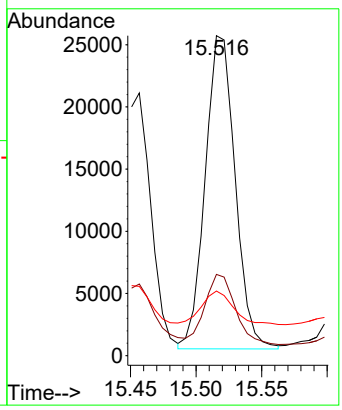




#90
Benzo(a)pyrene
Concen: 4.247 ng
RT: 15.516 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:252 Resp: 4006

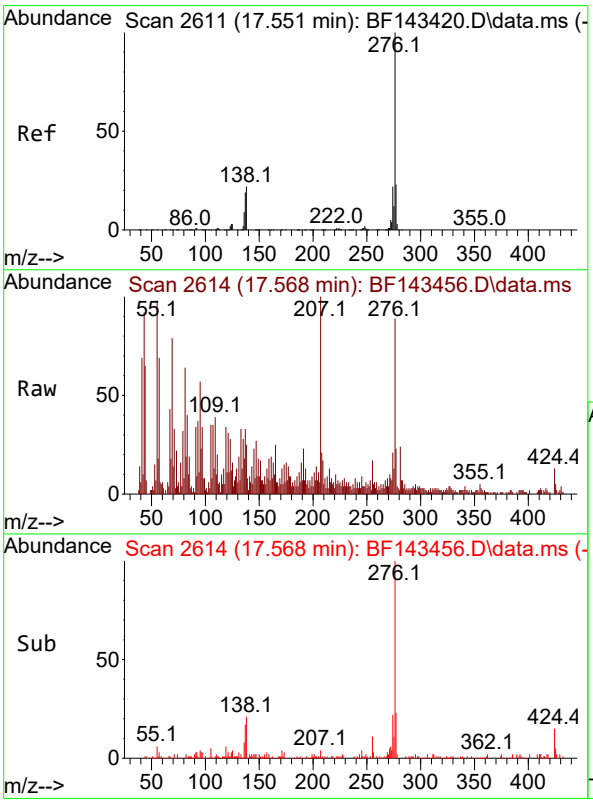
Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.4	26.2
125	20.2	8.6	12.8#



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Manual Integrations
APPROVED

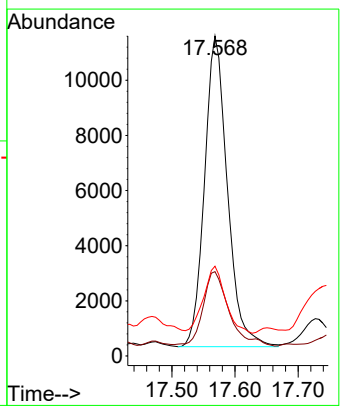
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#92
Benzo(g,h,i)perylene
Concen: 2.549 ng
RT: 17.568 min Scan# 2614
Delta R.T. 0.018 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:276 Resp: 28343

Ion	Ratio	Lower	Upper
276	100		
277	26.3	18.7	28.1
138	28.1	17.5	26.3#



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143456.D
Acq On : 19 Aug 2025 14:57
Operator : RC/JU
Sample : Q2879-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143456.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.234	3	7	17	rVB	767551	1193396	25.43%	3.651%
2	5.151	495	503	512	rBV2	106038	164356	3.50%	0.503%
3	5.563	568	573	592	rBV	922531	1231234	26.24%	3.766%
4	6.557	737	742	753	rBV	855652	1173257	25.00%	3.589%
5	6.928	800	805	813	rBV	467515	575558	12.26%	1.761%
6	7.481	894	899	910	rBV	609241	786689	16.76%	2.407%
7	8.210	1014	1023	1030	rBV	479192	633736	13.50%	1.939%
8	9.281	1199	1205	1213	rBV	1043102	1340254	28.56%	4.100%
9	9.963	1315	1321	1335	rVV	526208	700839	14.93%	2.144%
10	10.669	1437	1441	1445	rBV	99946	126468	2.69%	0.387%
11	10.751	1450	1455	1464	rVB	613548	819869	17.47%	2.508%
12	10.981	1491	1494	1499	rVB2	47884	67531	1.44%	0.207%
13	11.445	1568	1573	1580	rBV2	547930	854068	18.20%	2.613%
14	11.975	1658	1663	1674	rBV2	405143	611752	13.04%	1.871%
15	12.063	1675	1678	1685	rVB	41556	65345	1.39%	0.200%
16	12.592	1764	1768	1775	rVB2	110992	166252	3.54%	0.509%
17	12.663	1776	1780	1792	rBV	304971	716424	15.27%	2.192%
18	12.757	1792	1796	1804	rVV	136988	218514	4.66%	0.668%
19	12.892	1815	1819	1825	rVB	212615	289540	6.17%	0.886%
20	13.027	1837	1842	1850	rBV	1423991	1865966	39.76%	5.708%
21	13.392	1900	1904	1911	rBV2	196929	403861	8.61%	1.235%
22	13.922	1992	1994	2005	rVB2	464411	765665	16.32%	2.342%
23	14.086	2019	2022	2029	rVB2	586597	874465	18.63%	2.675%
24	14.551	2097	2101	2108	rBV2	499939	872423	18.59%	2.669%
25	14.939	2164	2167	2173	rVB	251253	330226	7.04%	1.010%
26	15.204	2208	2212	2217	rBV	1028591	1447378	30.84%	4.428%
27	15.586	2272	2277	2288	rBV	323651	571900	12.19%	1.749%
28	16.045	2350	2355	2361	rVB	757088	1249806	26.63%	3.823%
29	16.327	2399	2403	2418	rVB	340745	760337	16.20%	2.326%
30	17.762	2633	2647	2657	rBV4	1058974	4692720	100.00%	14.355%
31	17.945	2673	2678	2685	rVB	379251	845996	18.03%	2.588%
32	18.204	2715	2722	2733	rBV	799812	2516934	53.63%	7.699%
33	18.574	2776	2785	2803	rBV6	587503	3166035	67.47%	9.685%
34	18.721	2805	2810	2816	rBV2	248244	590996	12.59%	1.808%

Sum of corrected areas: 32689790

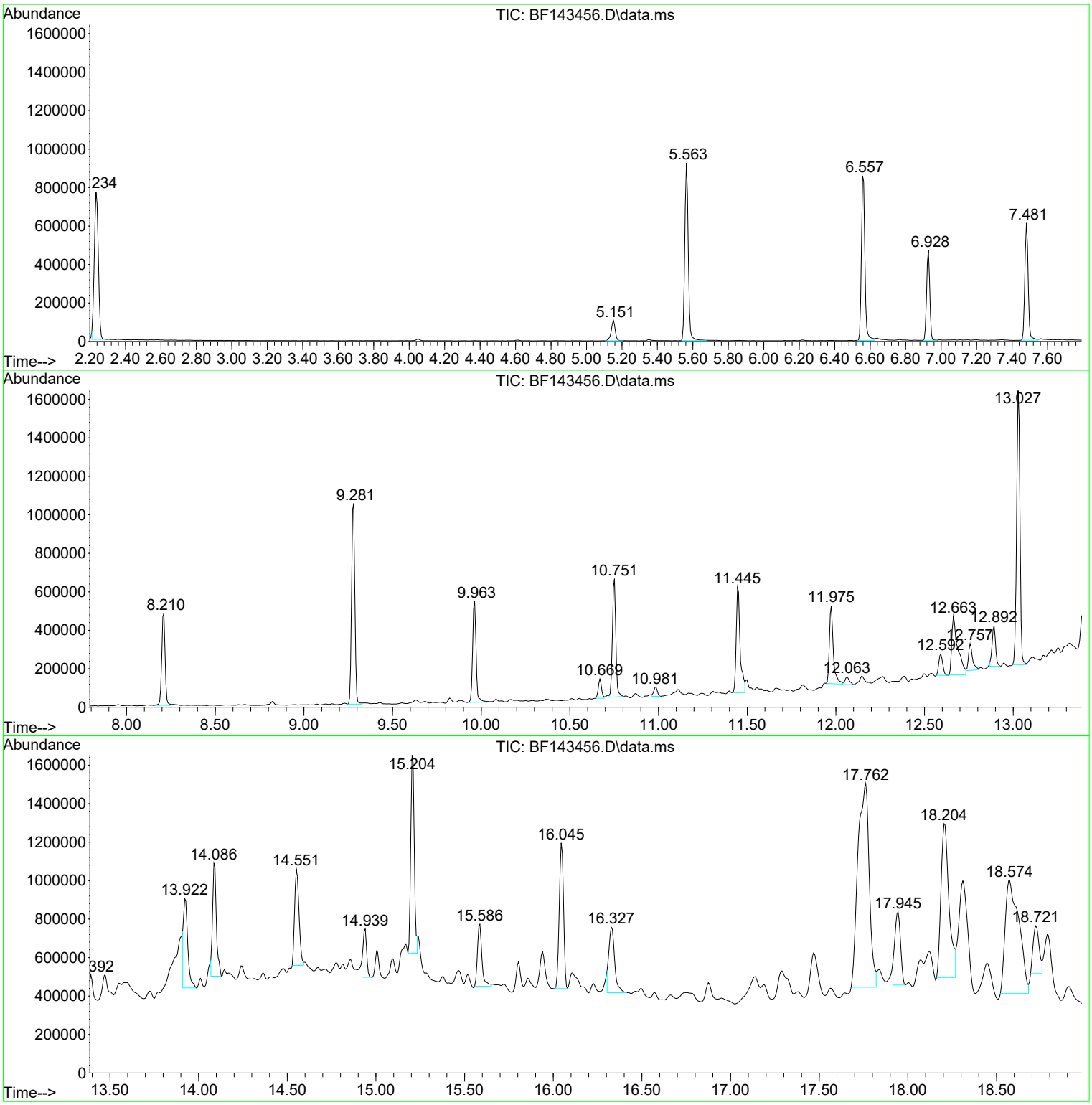
Sample Results: **BF143456.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143456.D
Acq On : 19 Aug 2025 14:57
Operator : RC/JU
Sample : Q2879-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143456.D
Acq On : 19 Aug 2025 14:57
Operator : RC/JU
Sample : Q2879-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143456.D
Acq On : 19 Aug 2025 14:57
Operator : RC/JU
Sample : Q2879-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP09-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-13	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143457.D	1	08/18/25 09:06	08/19/25 15:26	PB169285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.024	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.028	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.031	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.023	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.027	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.023	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.036	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.27		0.032	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	J	0.039	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	J	0.025	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.13	J	0.021	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.23		0.020	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.074	J	0.024	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	J	0.032	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.031	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.030	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.080	J	0.028	0.14	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	36.2	*	37 - 122		36%	SPK: 100
321-60-8	2-Fluorobiphenyl	40.2	*	44 - 115		40%	SPK: 100
1718-51-0	Terphenyl-d14	31.7	*	54 - 127		32%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	112000	6.928				
1146-65-2	Naphthalene-d8	366000	8.21				
15067-26-2	Acenaphthene-d10	170000	9.963				
1517-22-2	Phenanthrene-d10	304000	11.451				
1719-03-5	Chrysene-d12	289000	14.092				
1520-96-3	Perylene-d12	190000	15.58				
TENTATIVE IDENTIFIED COMPOUNDS							

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP09-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-13	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143457.D	1	08/18/25 09:06	08/19/25 15:26	PB169285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972608	Alachlor	N.D					
82-68-8	Quintozine	N.D					

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143457.D
Acq On : 19 Aug 2025 15:26
Operator : RC/JU
Sample : Q2879-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

Quant Time: Aug 19 16:02:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	111617	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	365896	20.000	ng		0.00
39) Acenaphthene-d10	9.963	164	170198	20.000	ng		0.00
64) Phenanthrene-d10	11.451	188	303592	20.000	ng		0.00
76) Chrysene-d12	14.092	240	288545	20.000	ng		0.00
86) Perylene-d12	15.580	264	189932	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.563	112	314188	48.932	ng		0.00
7) Phenol-d6	6.563	99	363868	44.967	ng		0.00
23) Nitrobenzene-d5	7.481	82	223108	36.182	ng		0.00
42) 2,4,6-Tribromophenol	10.751	330	86970	57.410	ng		0.00
45) 2-Fluorobiphenyl	9.281	172	406883	40.210	ng		0.00
79) Terphenyl-d14	13.027	244	544243	31.685	ng		0.00
Target Compounds							Qvalue
75) Fluoranthene	12.663	202	108913	7.456	ng		100
78) Pyrene	12.892	202	97658	3.894	ng		99
81) Benzo(a)anthracene	14.080	228	69261	3.770	ng		92
83) Chrysene	14.116	228	60557	3.566	ng		97
84) Bis(2-ethylhexyl)phtha...	14.063	149	27243	3.088	ng	#	97
88) Benzo(b)fluoranthene	15.145	252	64226m	6.309	ng		
89) Benzo(k)fluoranthene	15.163	252	20728m	2.064	ng		
90) Benzo(a)pyrene	15.521	252	36895	3.805	ng	#	89
92) Benzo(g,h,i)perylene	17.568	276	25410	2.224	ng	#	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

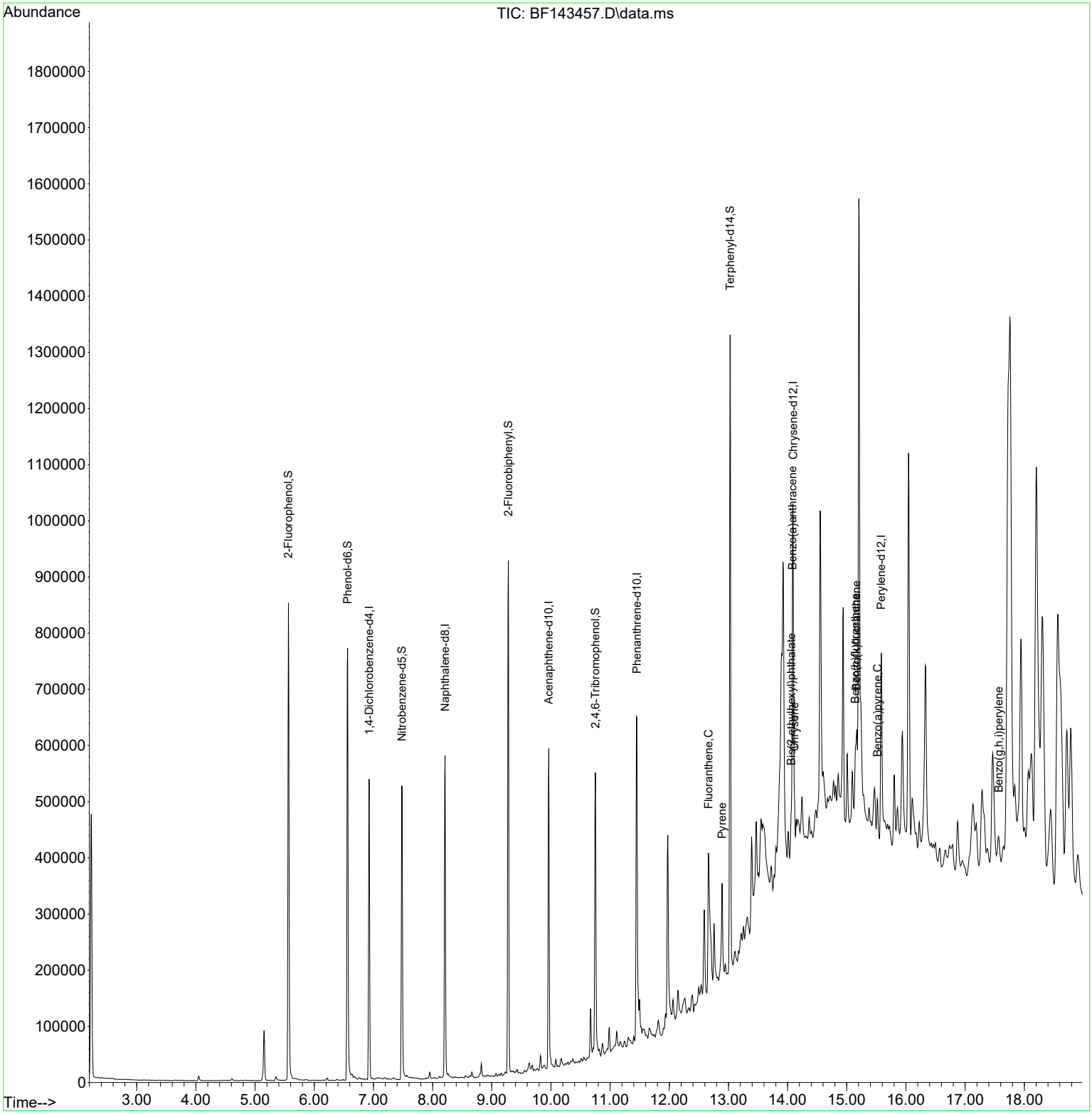
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143457.D
Acq On : 19 Aug 2025 15:26
Operator : RC/JU
Sample : Q2879-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

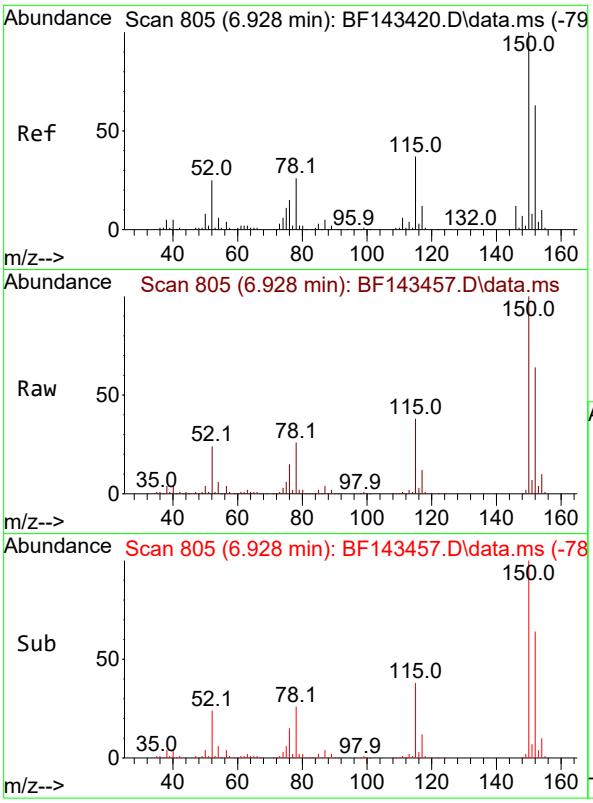
Quant Time: Aug 19 16:02:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

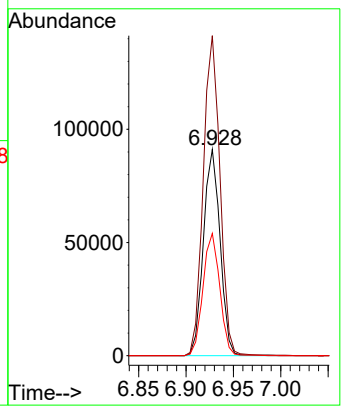




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion:152 Resp: 11161

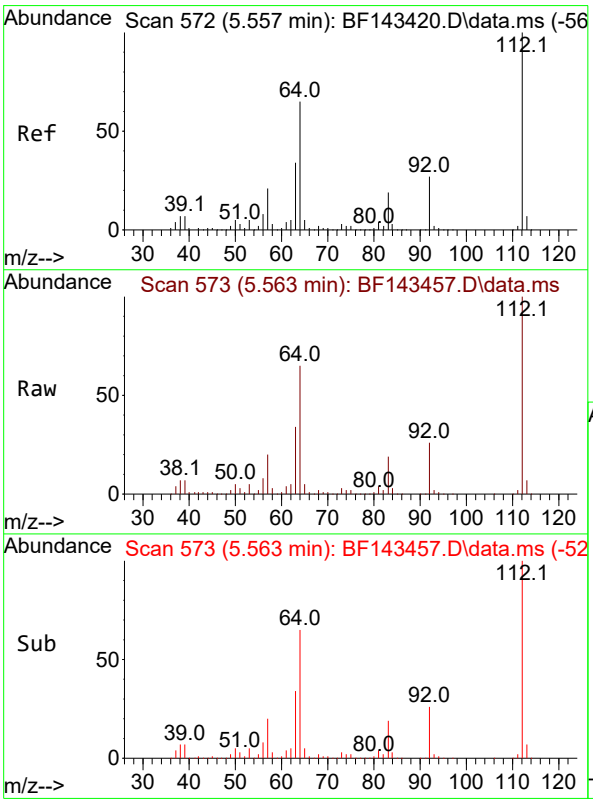
Ion	Ratio	Lower	Upper
152	100		
150	155.2	127.4	191.2
115	59.3	47.5	71.3



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Manual Integrations
APPROVED

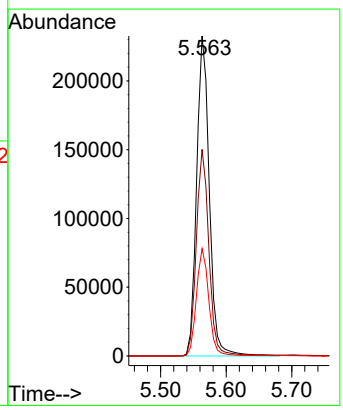
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

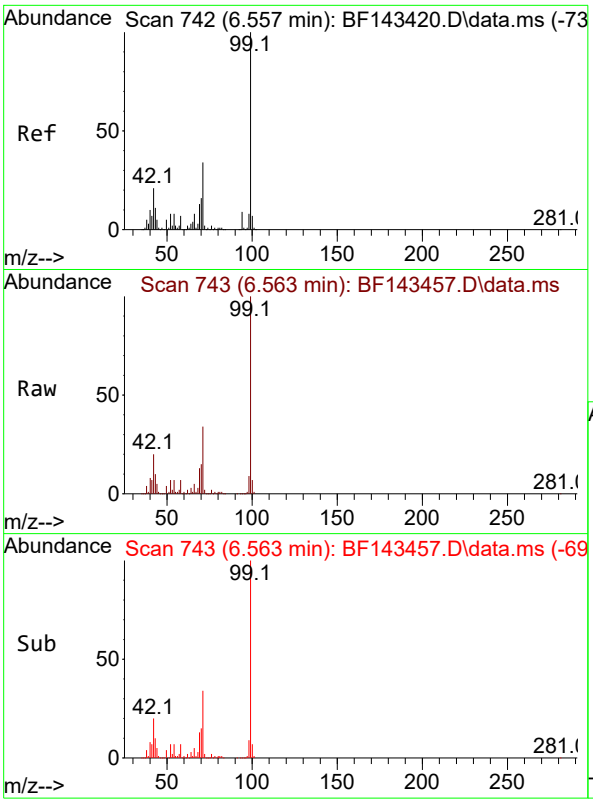


#5
2-Fluorophenol
Concen: 48.932 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.006 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion:112 Resp: 314188

Ion	Ratio	Lower	Upper
112	100		
64	64.6	52.2	78.2
63	33.5	27.0	40.6

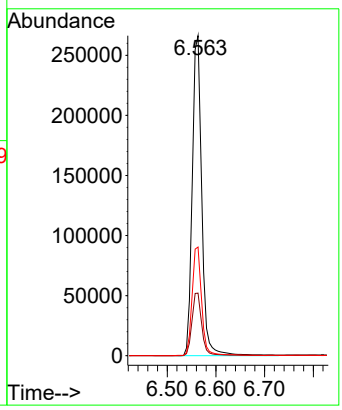




#7
Phenol-d6
Concen: 44.967 ng
RT: 6.563 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion: 99 Resp: 36386

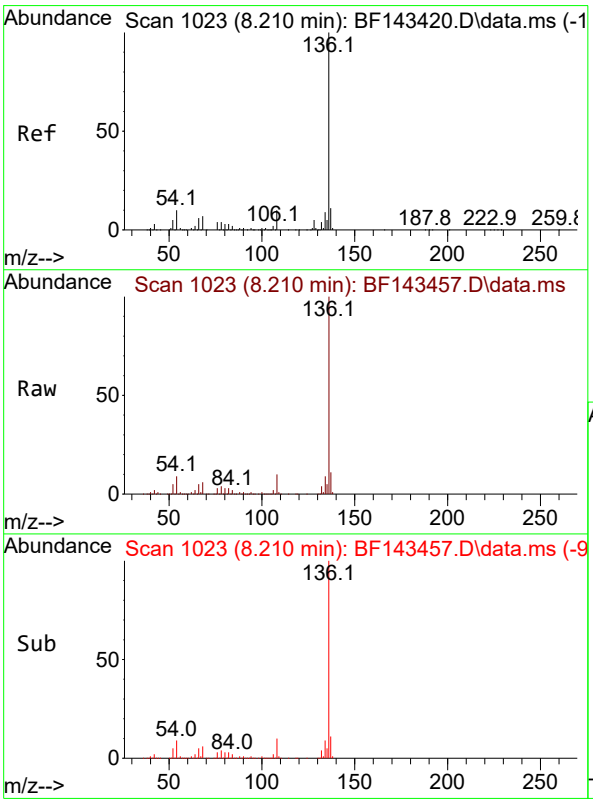
Ion	Ratio	Lower	Upper
99	100		
42	19.6	17.0	25.6
71	34.0	27.4	41.2



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Manual Integrations
APPROVED

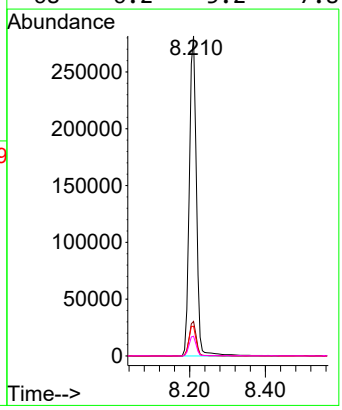
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

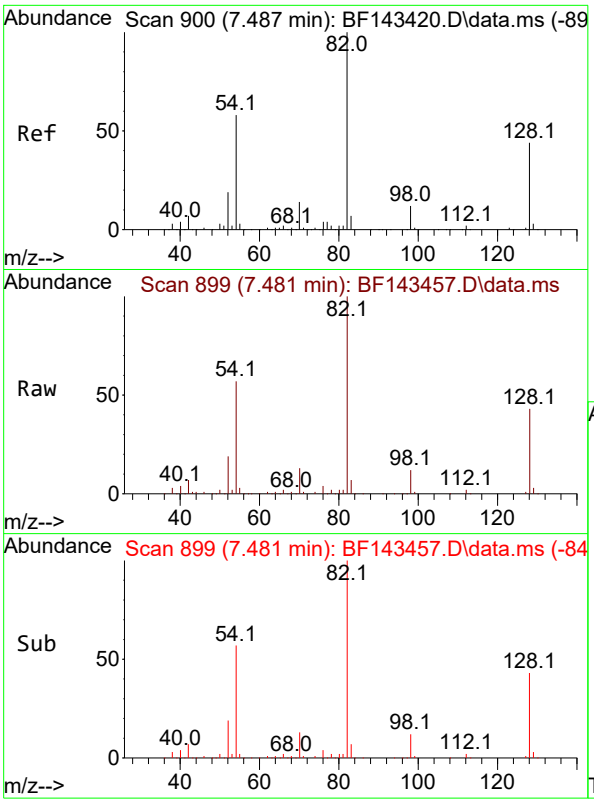


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion:136 Resp: 365896

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	9.3	7.8	11.8
68	6.2	5.2	7.8

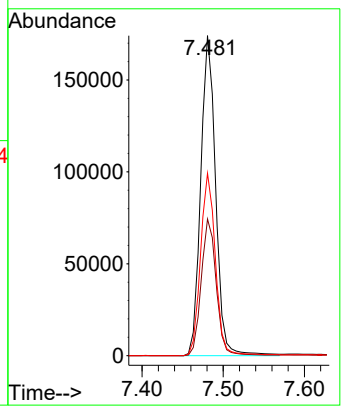




#23
Nitrobenzene-d5
Concen: 36.182 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion: 82 Resp: 22310

Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.6	52.0
54	57.0	46.0	69.0



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

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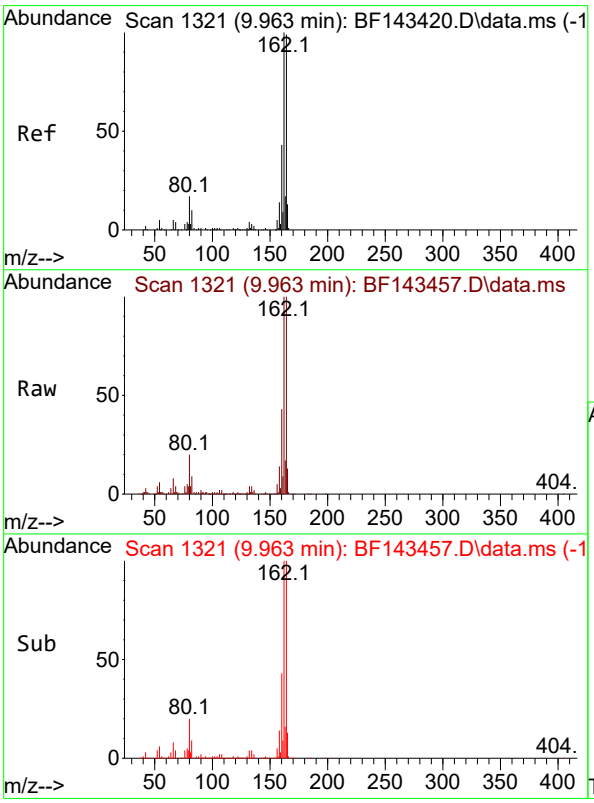
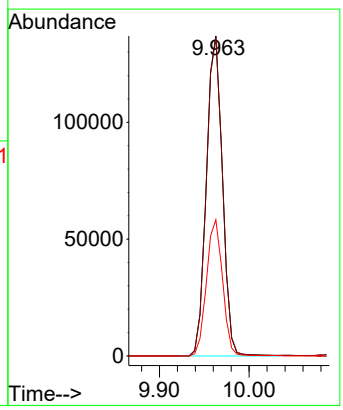
Supervised By :Jagrut Upadhyay 08/20/2025

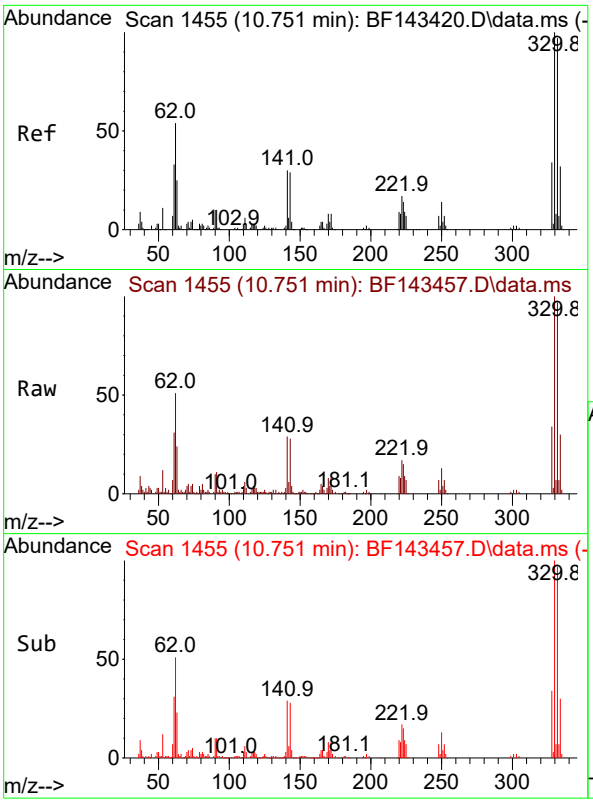


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion:164 Resp: 170198

Ion	Ratio	Lower	Upper
164	100		
162	99.6	80.6	121.0
160	42.6	34.6	51.8





#42
2,4,6-Tribromophenol
Concen: 57.410 ng
RT: 10.751 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion:330 Resp: 8697

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.4	116.2
141	28.8	24.1	36.1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

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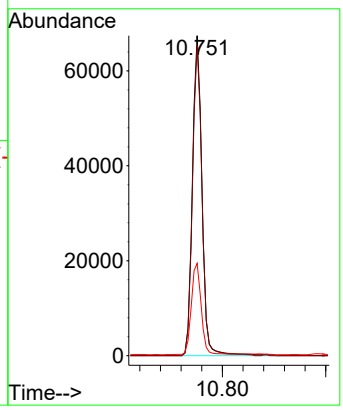
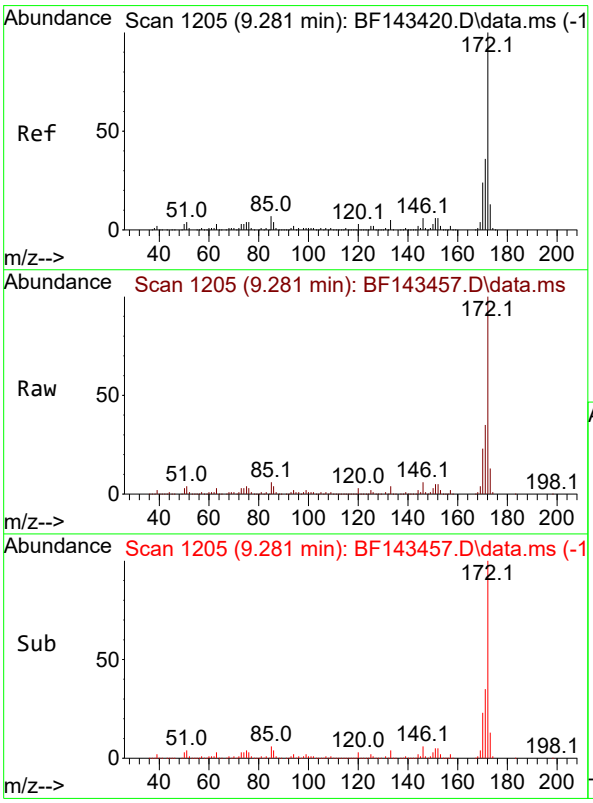
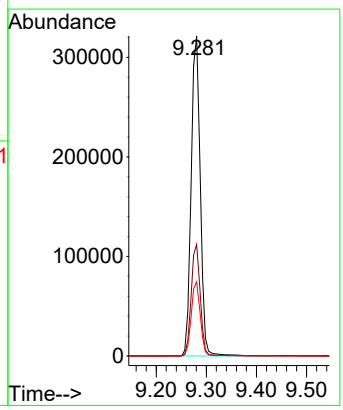


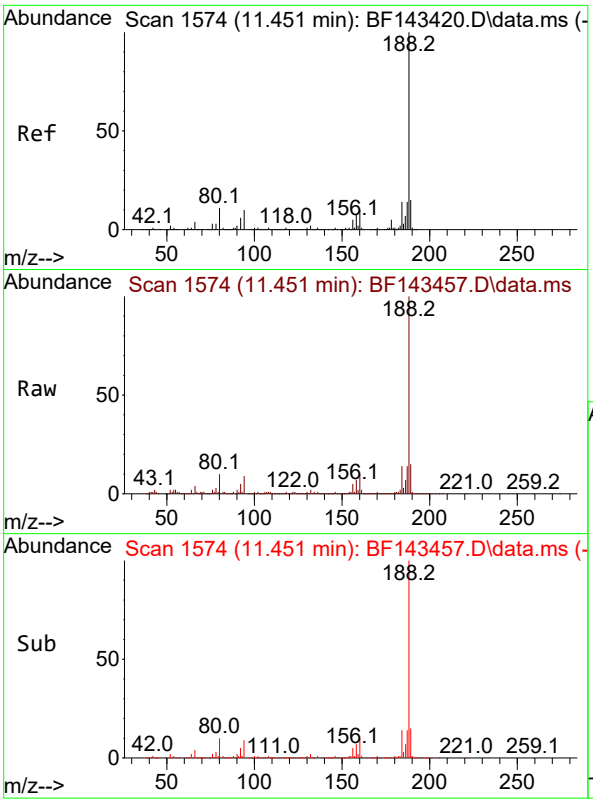


#45
2-Fluorobiphenyl
Concen: 40.210 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion:172 Resp: 406883

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.7	43.1
170	23.1	19.0	28.6

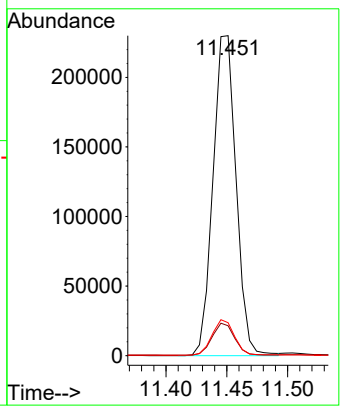




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion:188 Resp: 30359

Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.0	12.0
80	10.3	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

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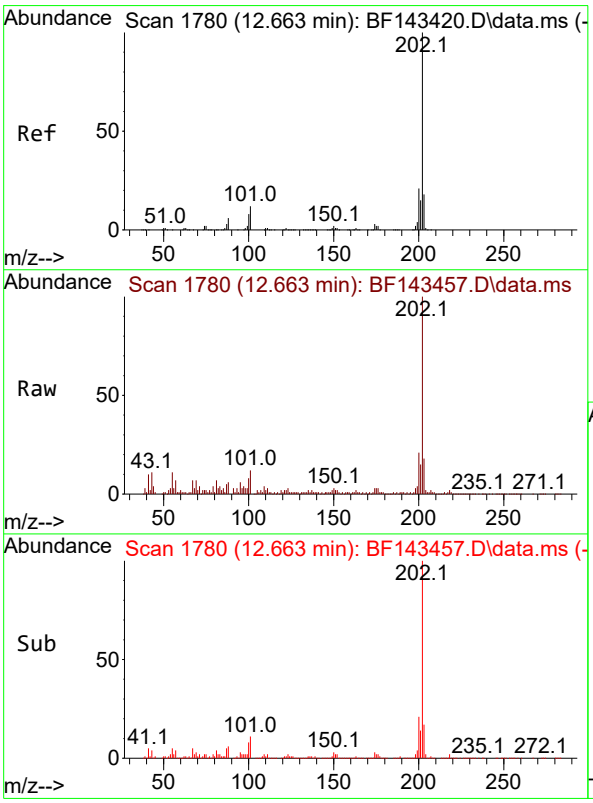
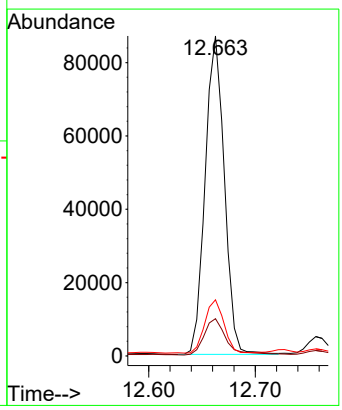
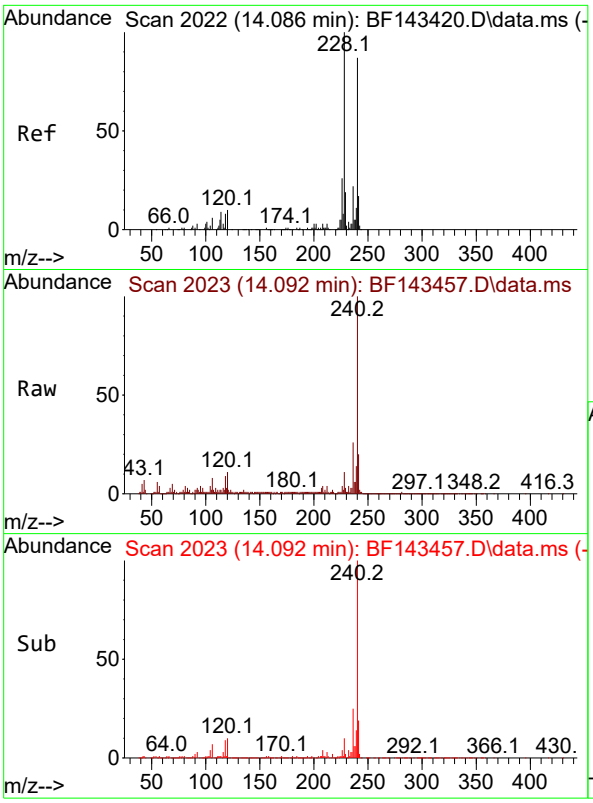


#75
Fluoranthene
Concen: 7.456 ng
RT: 12.663 min Scan# 1780
Delta R.T. -0.000 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion:202 Resp: 108913

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.5
203	17.5	0.0	37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Tgt Ion:240 Resp: 28854

Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.0	13.4
236	25.5	20.2	30.2

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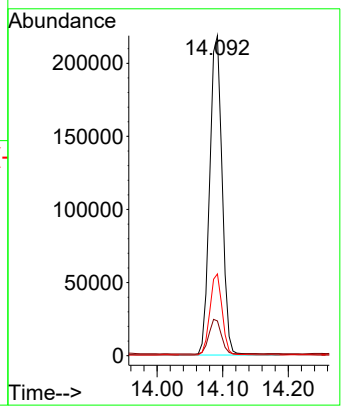
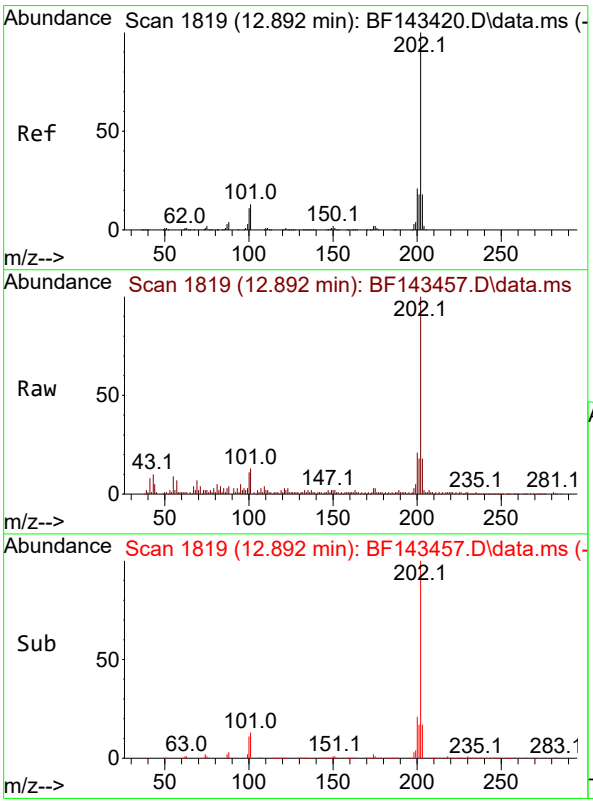
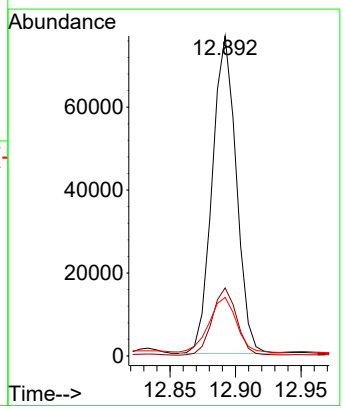


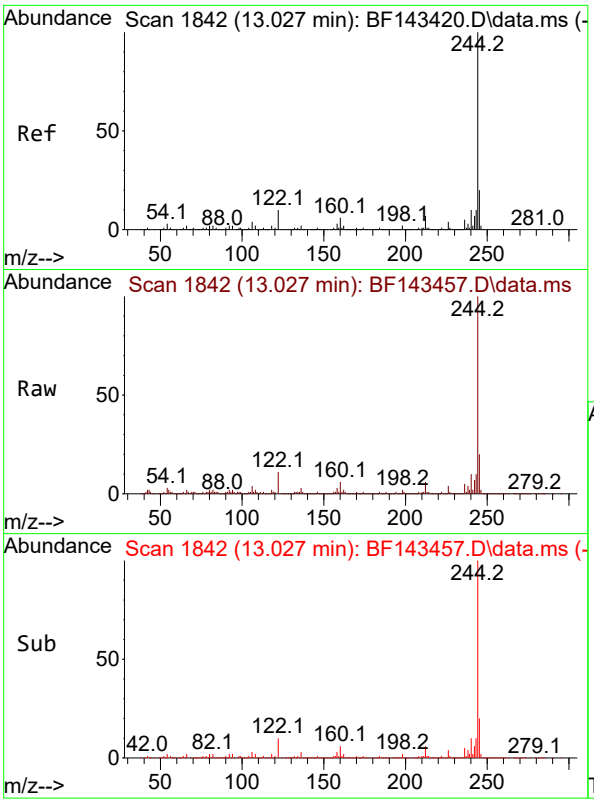


#78
Pyrene
Concen: 3.894 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion:202 Resp: 97658

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.1	25.7
203	18.3	14.2	21.2

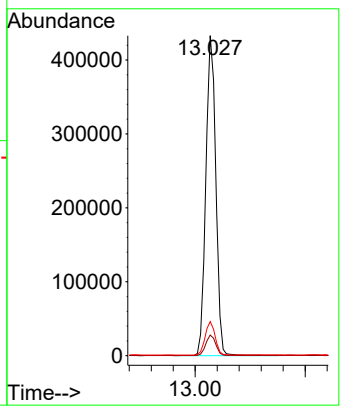




#79
Terphenyl-d14
Concen: 31.685 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion:244 Resp: 54424

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	10.6	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

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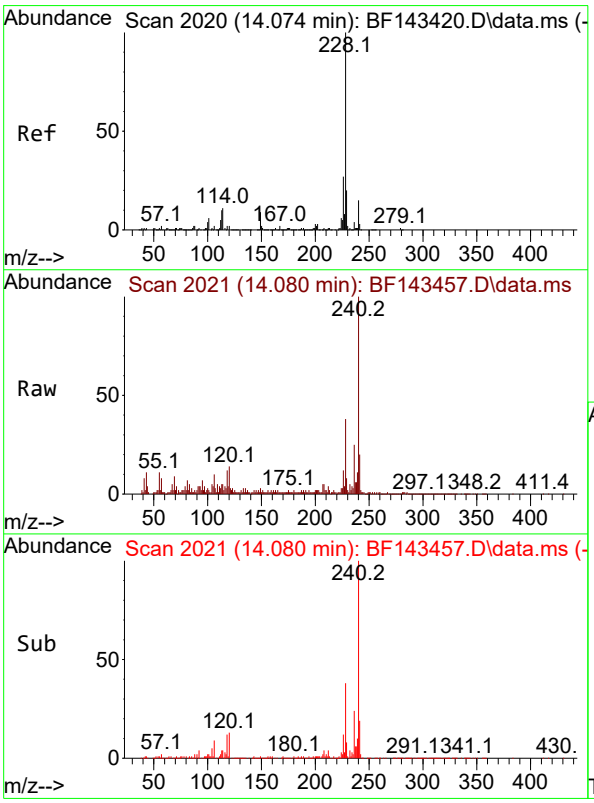
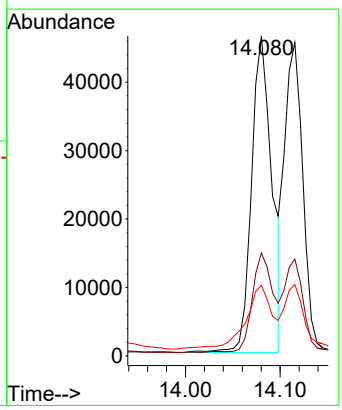
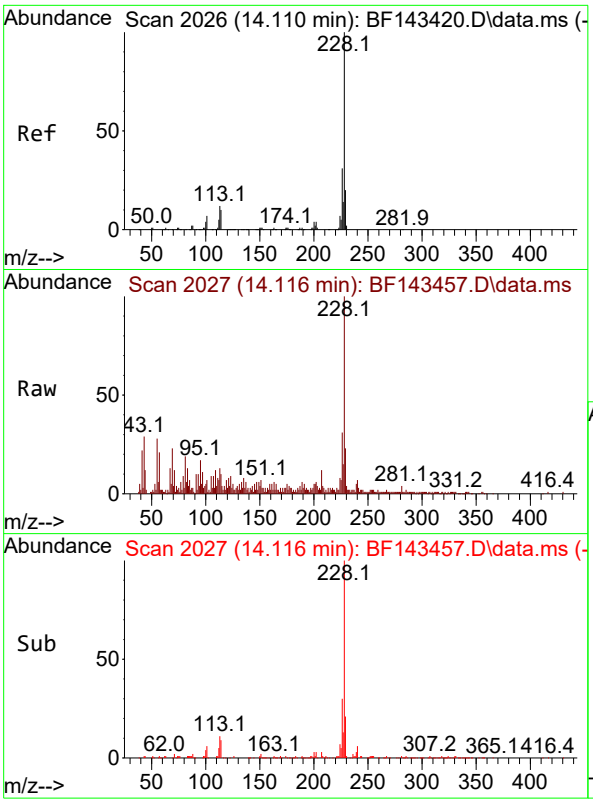


#81
Benzo(a)anthracene
Concen: 3.770 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion:228 Resp: 69261

Ion	Ratio	Lower	Upper
228	100		
226	32.2	21.5	32.3
229	22.1	15.7	23.5

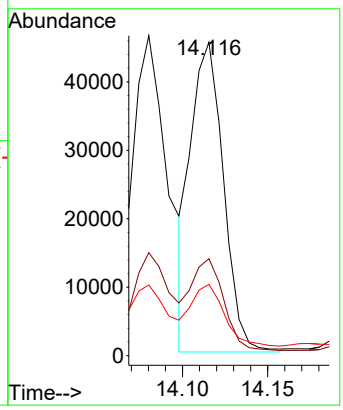




#83
Chrysene
Concen: 3.566 ng
RT: 14.116 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion:228 Resp: 6055

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.3	36.5
229	22.8	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

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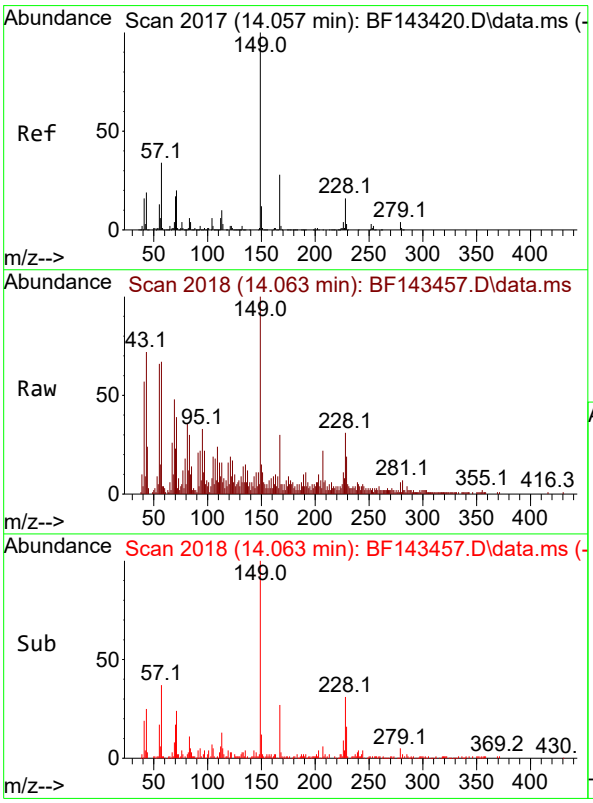
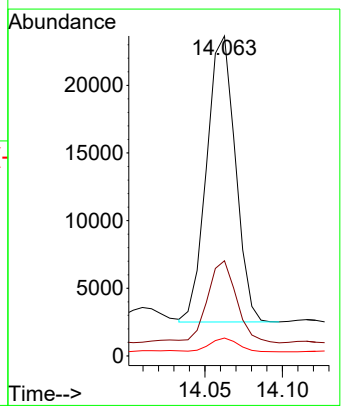
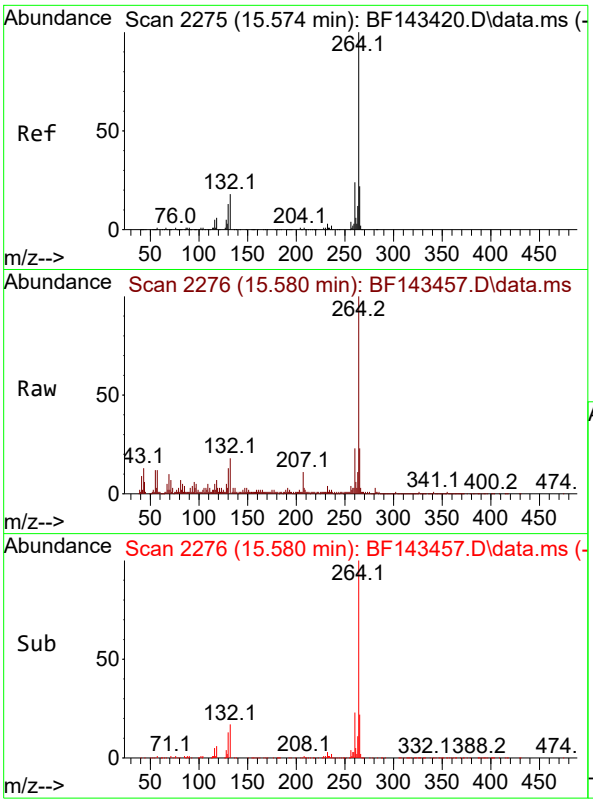


#84
Bis(2-ethylhexyl)phthalate
Concen: 3.088 ng
RT: 14.063 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion:149 Resp: 27243

Ion	Ratio	Lower	Upper
149	100		
167	29.7	22.6	33.8
279	5.6	3.5	5.3#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Tgt Ion:264 Resp: 18993

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.8	28.2
265	22.6	17.4	26.0

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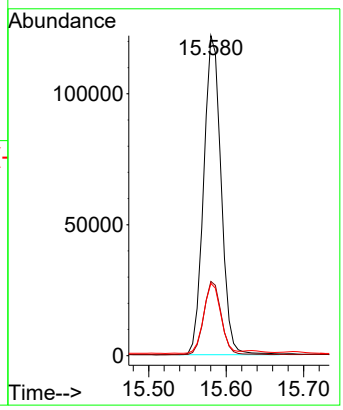
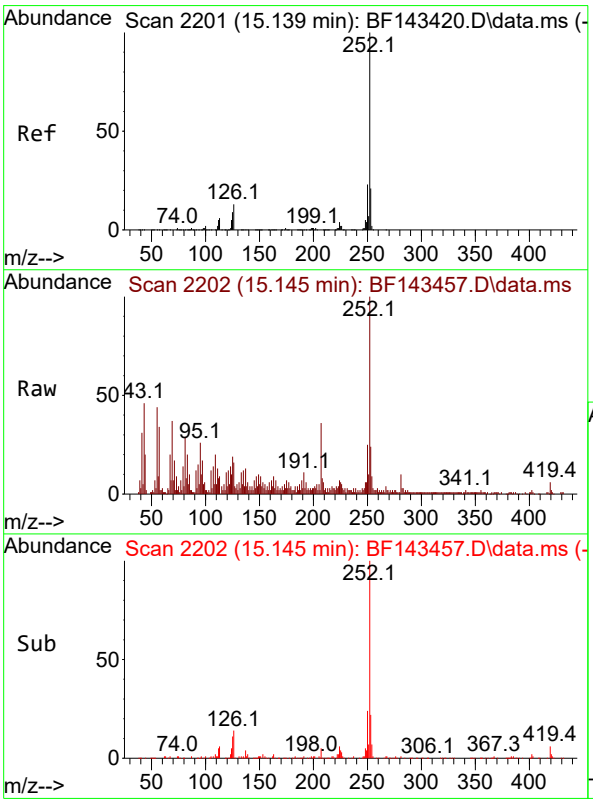
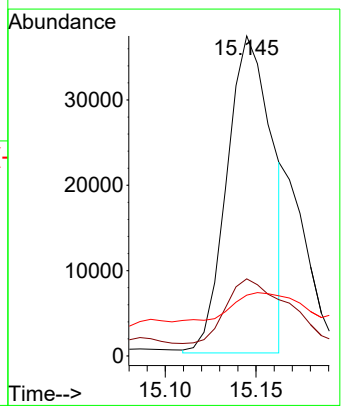


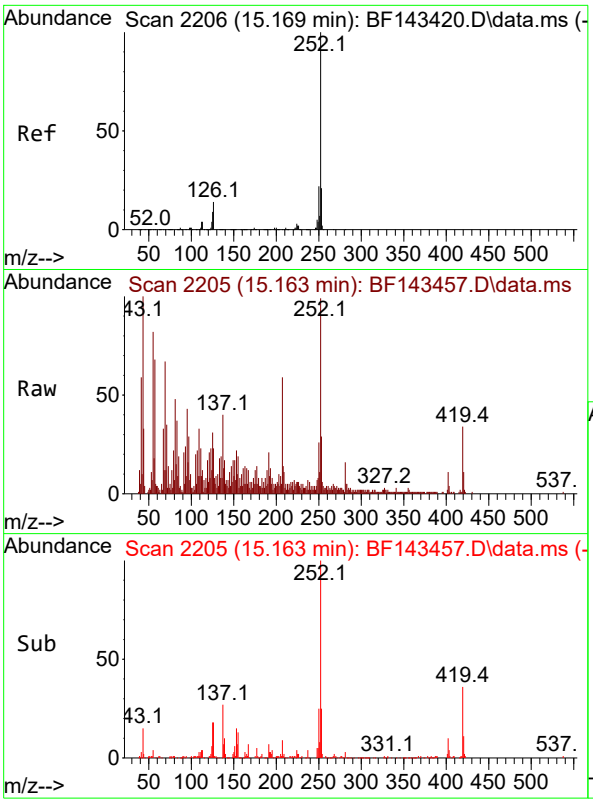


#88
Benzo(b)fluoranthene
Concen: 6.309 ng m
RT: 15.145 min Scan# 2202
Delta R.T. 0.006 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion:252 Resp: 64226

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.1	25.7
125	19.0	7.5	11.3#

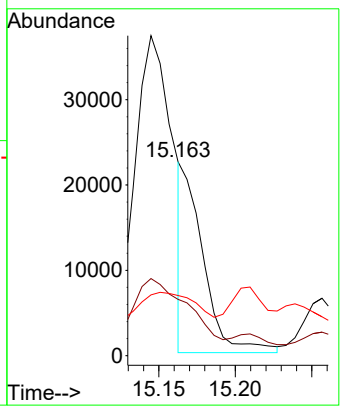




#89
Benzo(k)fluoranthene
Concen: 2.064 ng m
RT: 15.163 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion:252 Resp: 2072

Ion	Ratio	Lower	Upper
252	100		
253	29.1	17.2	25.8#
125	31.0	7.4	11.2#



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

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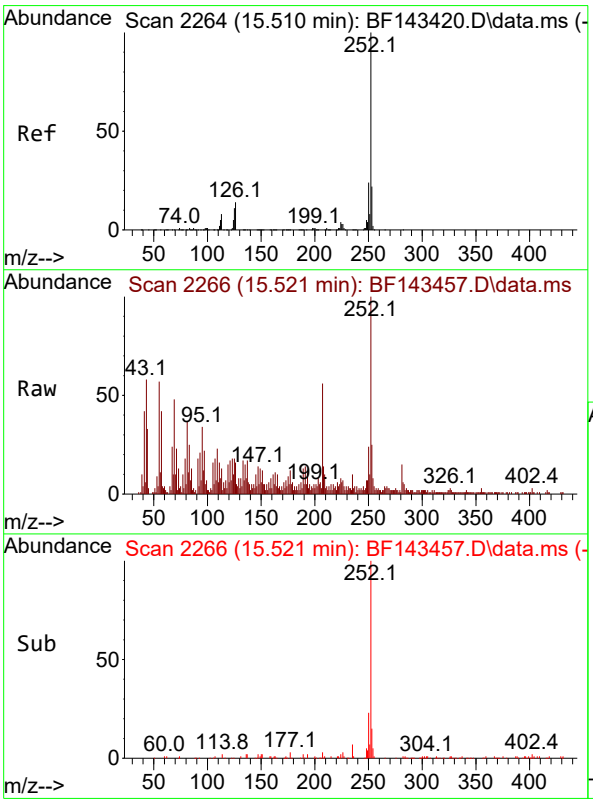
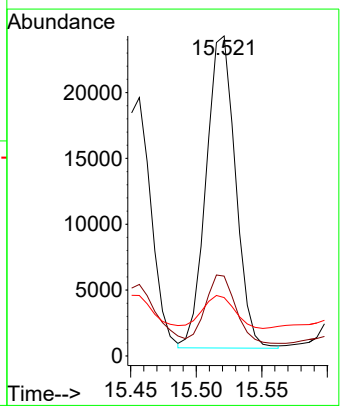
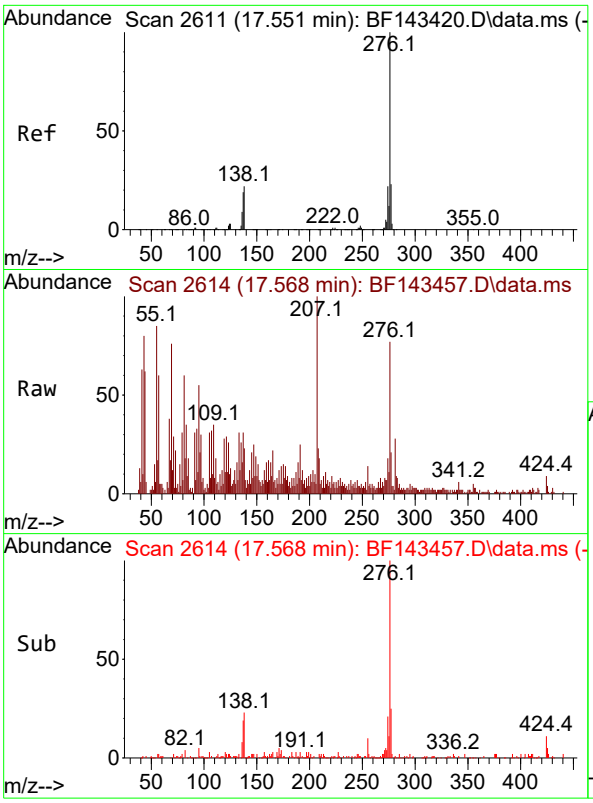


#90
Benzo(a)pyrene
Concen: 3.805 ng
RT: 15.521 min Scan# 2266
Delta R.T. 0.012 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion:252 Resp: 36895

Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.4	26.2
125	18.3	8.6	12.8#

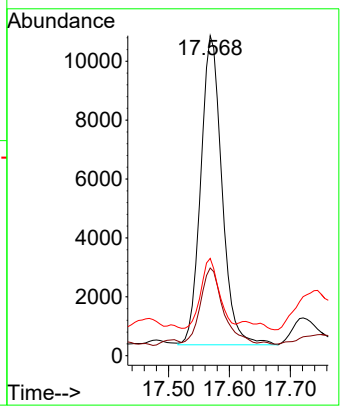




#92
Benzo(g,h,i)perylene
Concen: 2.224 ng
RT: 17.568 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion:276 Resp: 2541

Ion	Ratio	Lower	Upper
276	100		
277	27.4	18.7	28.1
138	30.4	17.5	26.3#



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Manual Integrations
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Supervised By :Jagrut Upadhyay 08/20/2025

Sample Results: **BF143457.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143457.D
Acq On : 19 Aug 2025 15:26
Operator : RC/JU
Sample : Q2879-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143457.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.234	3	7	17	rVB	469209	727241	17.68%	2.572%
2	5.151	494	503	514	rBV2	88779	134269	3.26%	0.475%
3	5.563	568	573	587	rBV	848361	1128938	27.44%	3.992%
4	6.563	737	743	754	rBV	769034	1060025	25.77%	3.749%
5	6.928	800	805	812	rBV	534978	658145	16.00%	2.327%
6	7.481	894	899	910	rBV	522356	676192	16.44%	2.391%
7	8.210	1015	1023	1030	rBV	572961	741333	18.02%	2.622%
8	9.281	1199	1205	1212	rBV	912139	1153503	28.04%	4.079%
9	9.963	1315	1321	1337	rBV	570021	760621	18.49%	2.690%
10	10.669	1437	1441	1446	rBV	85613	115950	2.82%	0.410%
11	10.751	1450	1455	1464	rVB	497116	661045	16.07%	2.338%
12	10.986	1491	1495	1499	rVB2	42621	57691	1.40%	0.204%
13	11.445	1568	1573	1580	rBV	577057	886952	21.56%	3.137%
14	11.498	1580	1582	1585	rVB	50852	52934	1.29%	0.187%
15	11.974	1658	1663	1674	rVV2	329842	528192	12.84%	1.868%
16	12.145	1689	1692	1701	rVB5	39653	67791	1.65%	0.240%
17	12.592	1763	1768	1775	rBV	149678	228953	5.57%	0.810%
18	12.663	1776	1780	1792	rBV2	247854	624162	15.17%	2.207%
19	12.757	1793	1796	1804	rVB	98378	151789	3.69%	0.537%
20	12.892	1815	1819	1825	rVB	157464	214066	5.20%	0.757%
21	13.027	1837	1842	1850	rBV	1133101	1471841	35.78%	5.205%
22	13.392	1900	1904	1909	rBV2	160754	286531	6.96%	1.013%
23	13.469	1914	1917	1921	rVB3	101282	164733	4.00%	0.583%
24	13.898	1986	1990	1991	rBV2	186246	248862	6.05%	0.880%
25	14.092	2018	2023	2030	rVB2	591644	919073	22.34%	3.250%
26	14.551	2097	2101	2108	rBV2	493435	837236	20.35%	2.961%
27	14.939	2163	2167	2174	rVB	381763	542447	13.19%	1.918%
28	15.204	2208	2212	2217	rBV	981463	1392143	33.84%	4.923%
29	15.586	2272	2277	2284	rBV	319180	561261	13.64%	1.985%
30	16.045	2350	2355	2361	rVB	679729	1153742	28.04%	4.080%
31	16.327	2400	2403	2417	rVB	321020	654475	15.91%	2.314%
32	17.756	2633	2646	2657	rBV4	911995	4113929	100.00%	14.548%
33	17.945	2673	2678	2685	rVB	341359	771004	18.74%	2.727%
34	18.204	2715	2722	2733	rBV	611853	1938743	47.13%	6.856%
35	18.568	2776	2784	2802	rBV5	438223	2242684	54.51%	7.931%
36	18.715	2805	2809	2815	rBV3	162642	349441	8.49%	1.236%

Sample Results: **BF143457.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143457.D
Acq On : 19 Aug 2025 15:26
Operator : RC/JU
Sample : Q2879-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 28277937

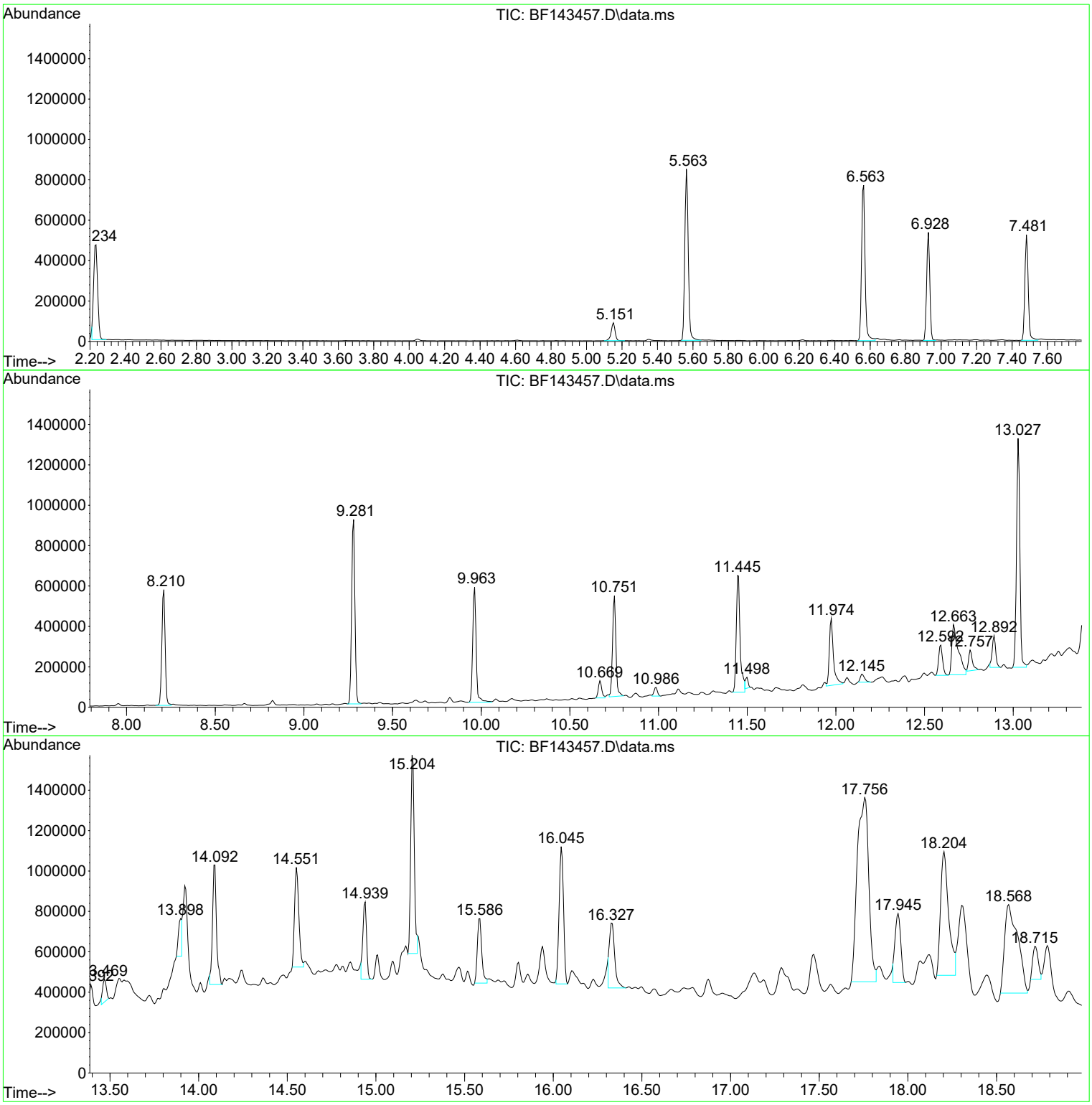
Sample Results: **BF143457.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143457.D
Acq On : 19 Aug 2025 15:26
Operator : RC/JU
Sample : Q2879-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143457.D
Acq On : 19 Aug 2025 15:26
Operator : RC/JU
Sample : Q2879-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143457.D
Acq On : 19 Aug 2025 15:26
Operator : RC/JU
Sample : Q2879-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP10-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-15	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.3
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143458.D	1	08/18/25 09:06	08/19/25 15:55	PB169285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.025	0.14	0.19	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.028	0.14	0.19	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.032	0.14	0.19	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.023	0.14	0.19	mg/Kg
86-73-7	Fluorene	0.14	U	0.028	0.14	0.19	mg/Kg
85-01-8	Phenanthrene	0.091	J	0.023	0.14	0.19	mg/Kg
120-12-7	Anthracene	0.14	U	0.036	0.14	0.19	mg/Kg
206-44-0	Fluoranthene	0.34		0.033	0.14	0.19	mg/Kg
129-00-0	Pyrene	0.19		0.039	0.14	0.19	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	J	0.025	0.14	0.19	mg/Kg
218-01-9	Chrysene	0.14	J	0.022	0.14	0.19	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.23		0.021	0.14	0.19	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.082	J	0.025	0.14	0.19	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	J	0.032	0.14	0.19	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.032	0.14	0.19	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.030	0.14	0.19	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.089	J	0.028	0.14	0.19	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	56.2		37 - 122		56%	SPK: 100
321-60-8	2-Fluorobiphenyl	54.7		44 - 115		55%	SPK: 100
1718-51-0	Terphenyl-d14	48.2	*	54 - 127		48%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	102000	6.928				
1146-65-2	Naphthalene-d8	309000	8.21				
15067-26-2	Acenaphthene-d10	163000	9.963				
1517-22-2	Phenanthrene-d10	305000	11.451				
1719-03-5	Chrysene-d12	287000	14.092				
1520-96-3	Perylene-d12	178000	15.586				
TENTATIVE IDENTIFIED COMPOUNDS							

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP10-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-15	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.3
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143458.D	1	08/18/25 09:06	08/19/25 15:55	PB169285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972608	Alachlor	N.D					
82-68-8	Quintozine	N.D					

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143458.D
Acq On : 19 Aug 2025 15:55
Operator : RC/JU
Sample : Q2879-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

Quant Time: Aug 19 20:18:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	101637	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	308767	20.000	ng		0.00
39) Acenaphthene-d10	9.963	164	162569	20.000	ng		0.00
64) Phenanthrene-d10	11.451	188	305125	20.000	ng		0.00
76) Chrysene-d12	14.092	240	286997	20.000	ng		0.00
86) Perylene-d12	15.586	264	177608	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.569	112	407224	69.649	ng		0.01
7) Phenol-d6	6.563	99	489994	66.500	ng		0.00
23) Nitrobenzene-d5	7.481	82	292361	56.186	ng		0.00
42) 2,4,6-Tribromophenol	10.751	330	127379	88.031	ng		0.00
45) 2-Fluorobiphenyl	9.280	172	528952	54.727	ng		0.00
79) Terphenyl-d14	13.033	244	823554	48.204	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	11.474	178	41412	2.506	ng		100
75) Fluoranthene	12.663	202	134815	9.183	ng		99
78) Pyrene	12.892	202	131647	5.277	ng		99
81) Benzo(a)anthracene	14.080	228	68028	3.723	ng		93
83) Chrysene	14.115	228	63079	3.734	ng		97
84) Bis(2-ethylhexyl)phtha...	14.063	149	131938	15.036	ng		99
88) Benzo(b)fluoranthene	15.145	252	60044m	6.308	ng		
89) Benzo(k)fluoranthene	15.162	252	21092m	2.246	ng		
90) Benzo(a)pyrene	15.521	252	33994	3.749	ng	#	85
92) Benzo(g,h,i)perylene	17.574	276	25950	2.429	ng	#	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

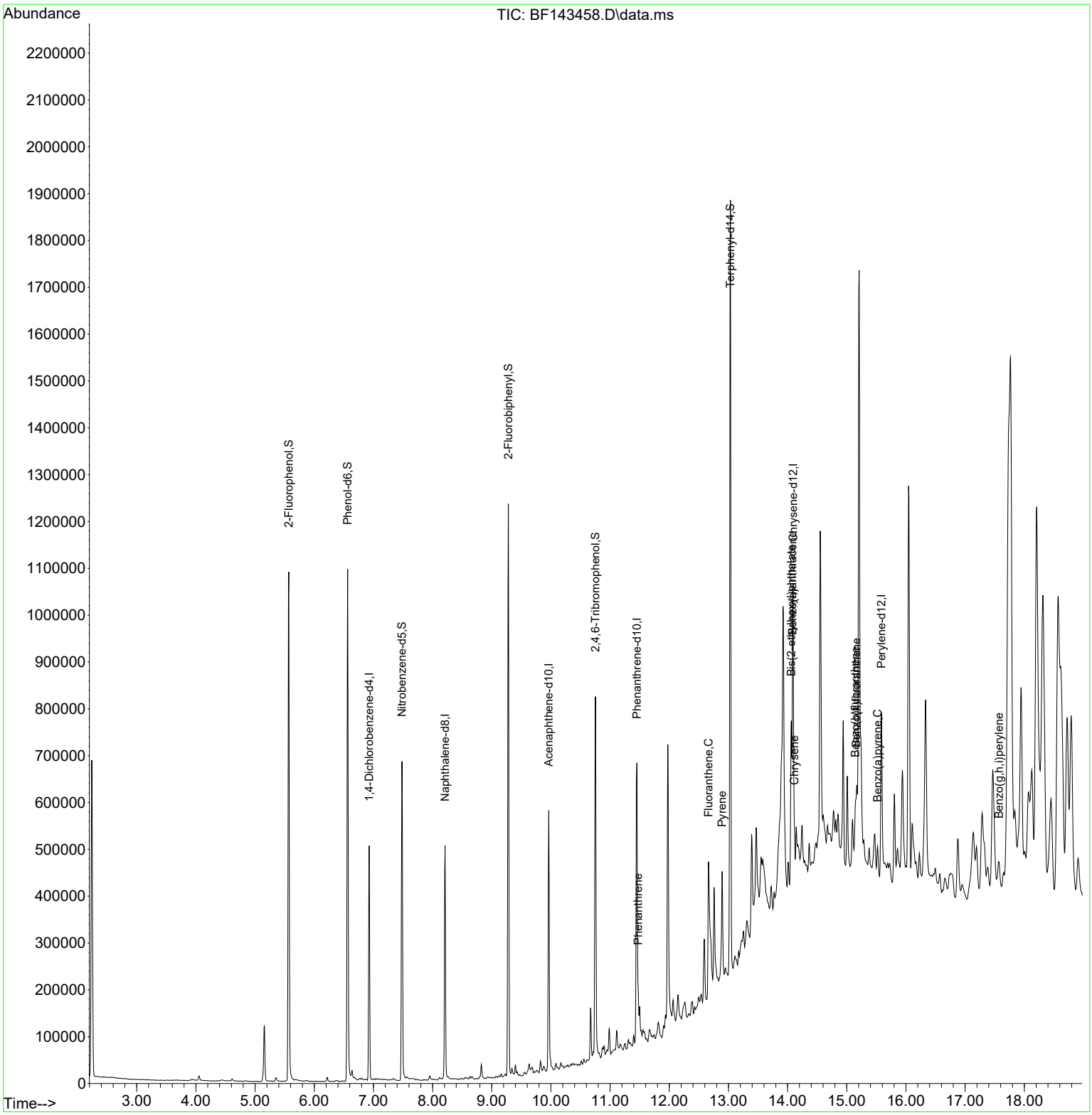
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143458.D
Acq On : 19 Aug 2025 15:55
Operator : RC/JU
Sample : Q2879-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

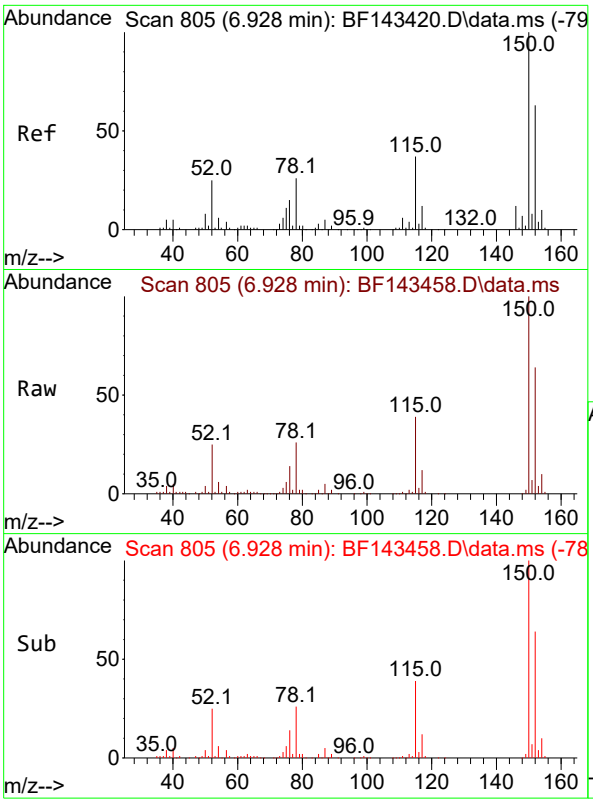
Quant Time: Aug 19 20:18:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

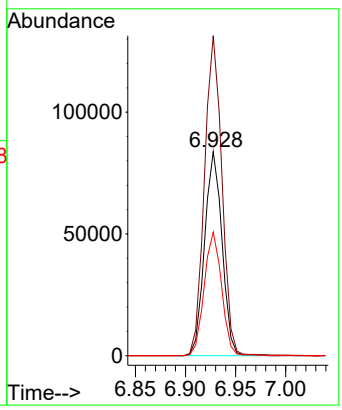




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:152 Resp: 10163

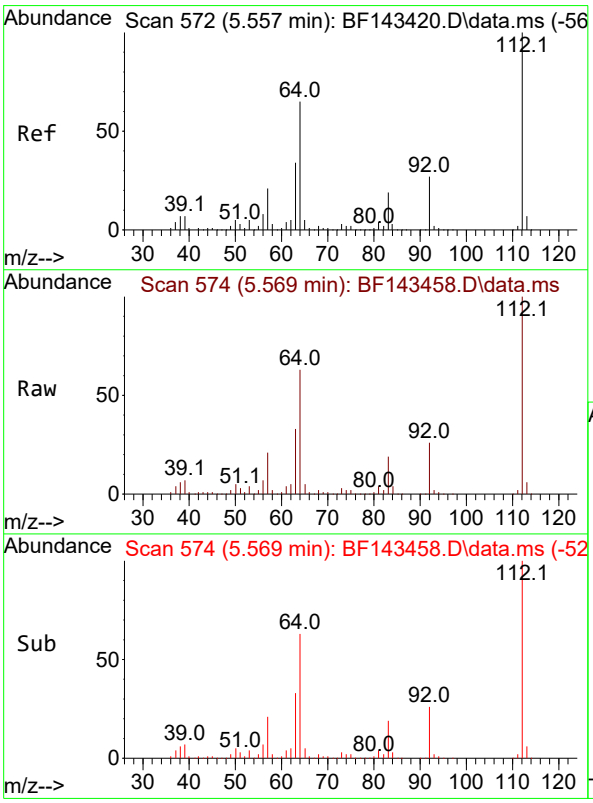
Ion	Ratio	Lower	Upper
152	100		
150	156.8	127.4	191.2
115	60.6	47.5	71.3



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Manual Integrations
APPROVED

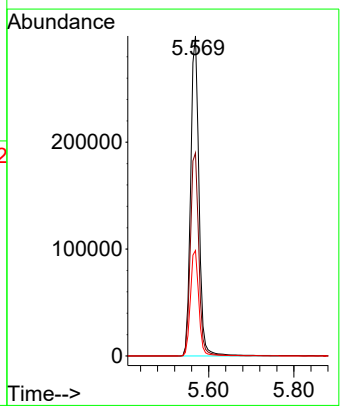
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

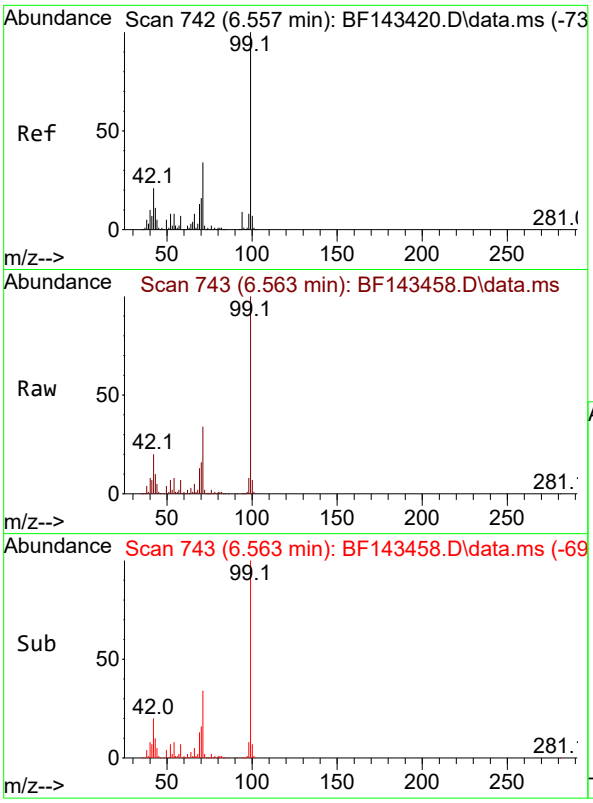


#5
2-Fluorophenol
Concen: 69.649 ng
RT: 5.569 min Scan# 574
Delta R.T. 0.012 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:112 Resp: 407224

Ion	Ratio	Lower	Upper
112	100		
64	63.5	52.2	78.2
63	32.9	27.0	40.6

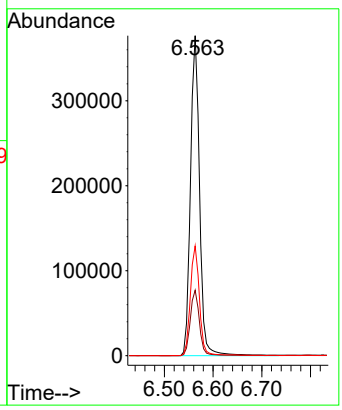




#7
Phenol-d6
Concen: 66.500 ng
RT: 6.563 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion: 99 Resp: 48999

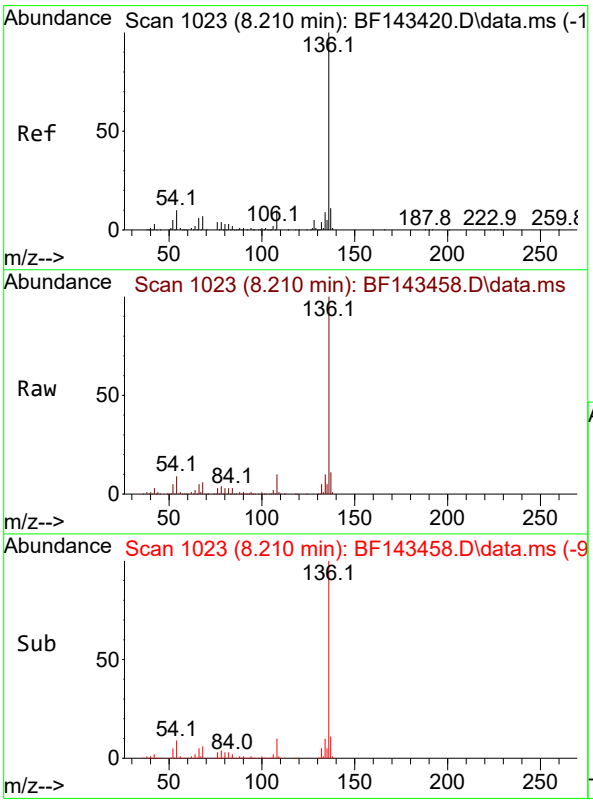
Ion	Ratio	Lower	Upper
99	100		
42	20.4	17.0	25.6
71	34.3	27.4	41.2



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Manual Integrations APPROVED

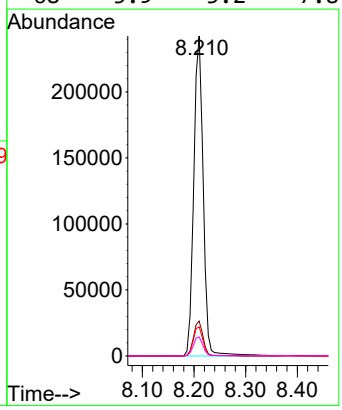
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

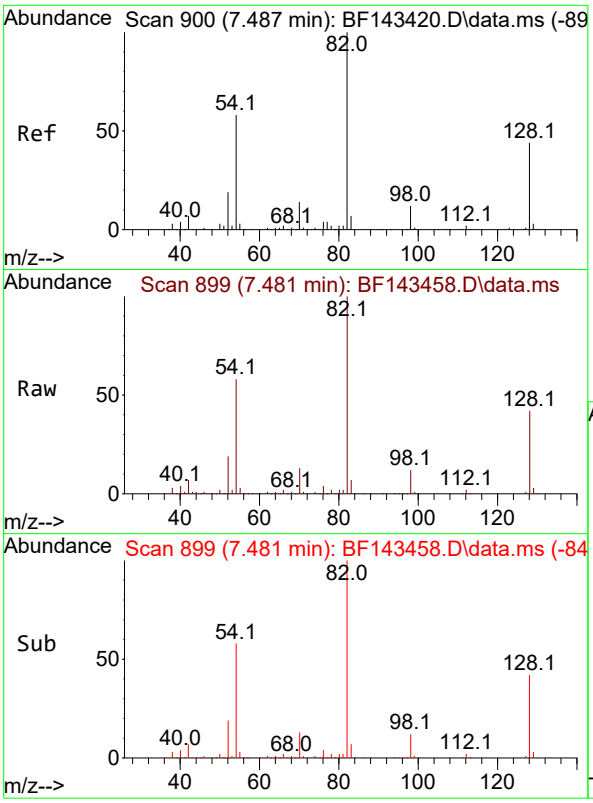


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:136 Resp: 308767

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	9.1	7.8	11.8
68	5.9	5.2	7.8





#23
Nitrobenzene-d5
Concen: 56.186 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

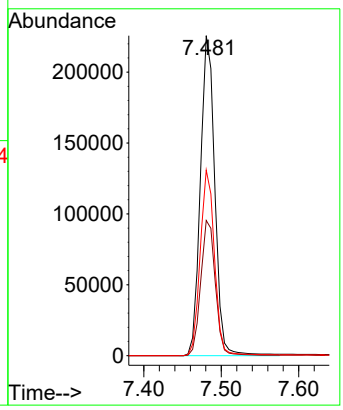
Tgt Ion: 82 Resp: 29236

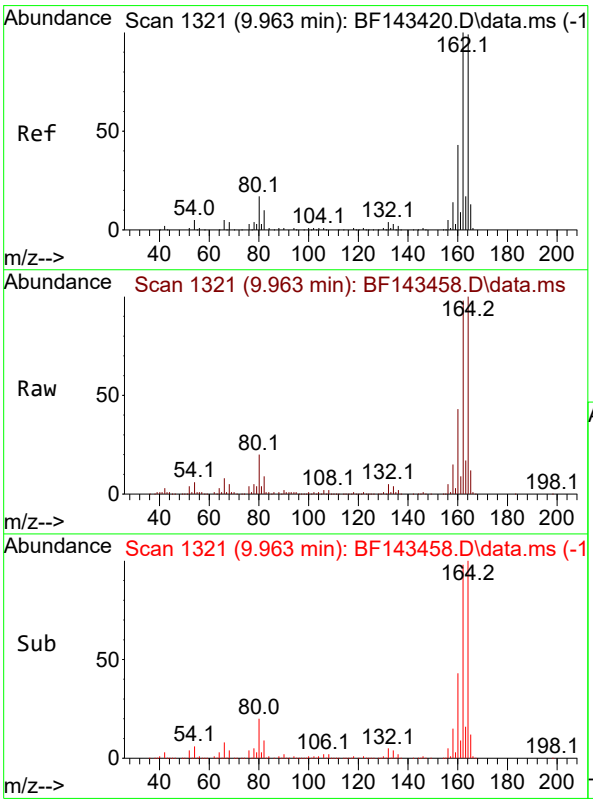
Ion	Ratio	Lower	Upper
82	100		
128	42.3	34.6	52.0
54	58.0	46.0	69.0

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

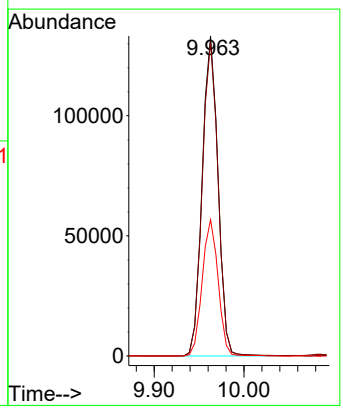


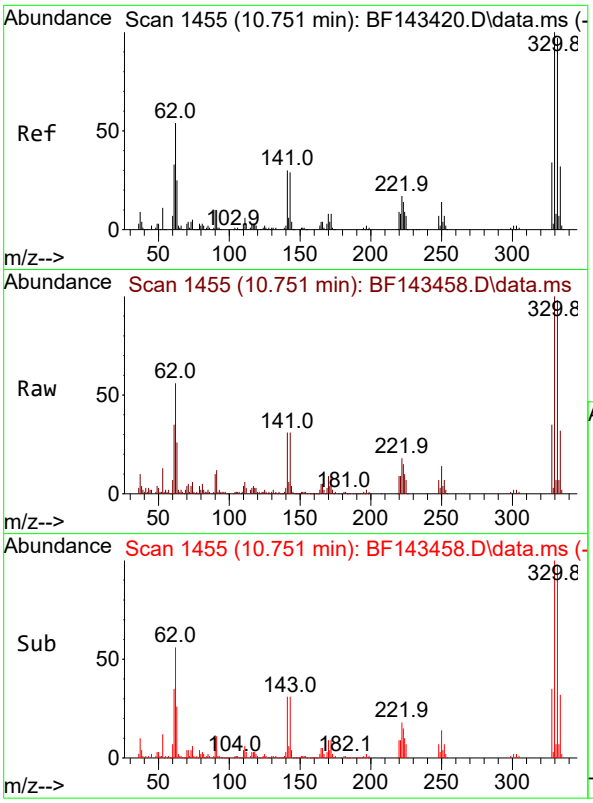


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:164 Resp: 162569

Ion	Ratio	Lower	Upper
164	100		
162	98.2	80.6	121.0
160	42.6	34.6	51.8

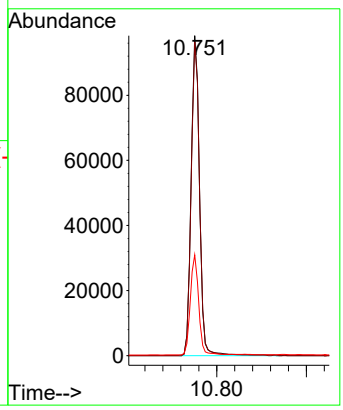




#42
2,4,6-Tribromophenol
Concen: 88.031 ng
RT: 10.751 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:330 Resp: 12737

Ion	Ratio	Lower	Upper
330	100		
332	98.2	77.4	116.2
141	30.9	24.1	36.1



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

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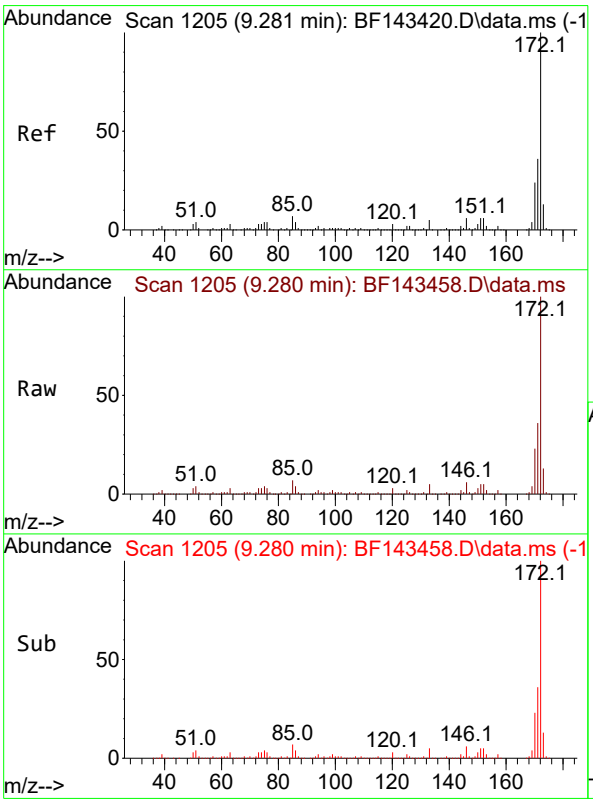
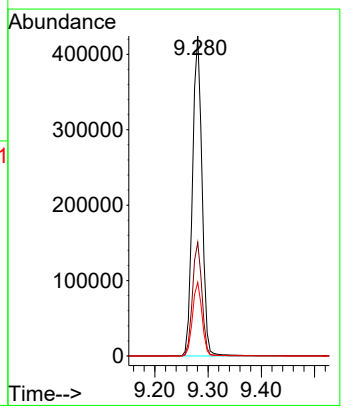
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

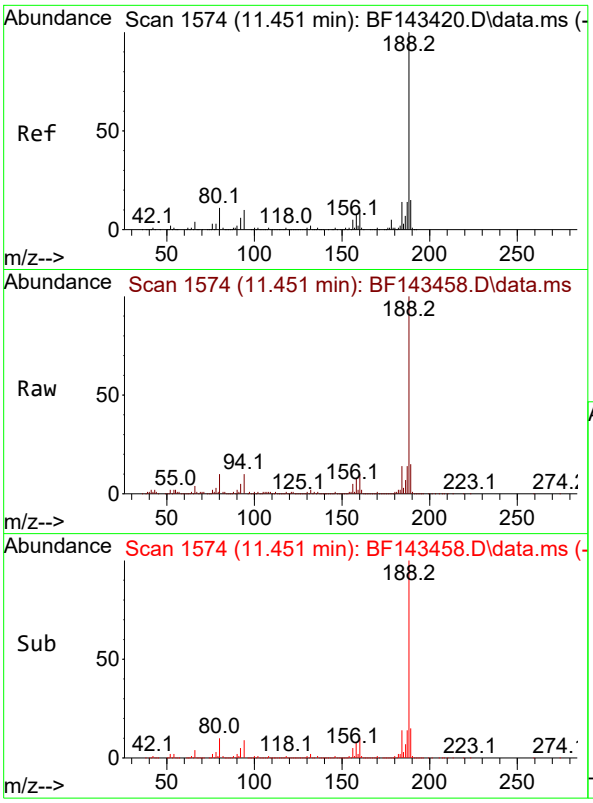


#45
2-Fluorobiphenyl
Concen: 54.727 ng
RT: 9.280 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:172 Resp: 528952

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.7	43.1
170	23.0	19.0	28.6

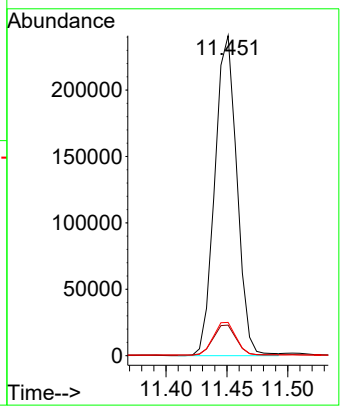




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:188 Resp: 30512

Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.0	12.0
80	10.4	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Manual Integrations
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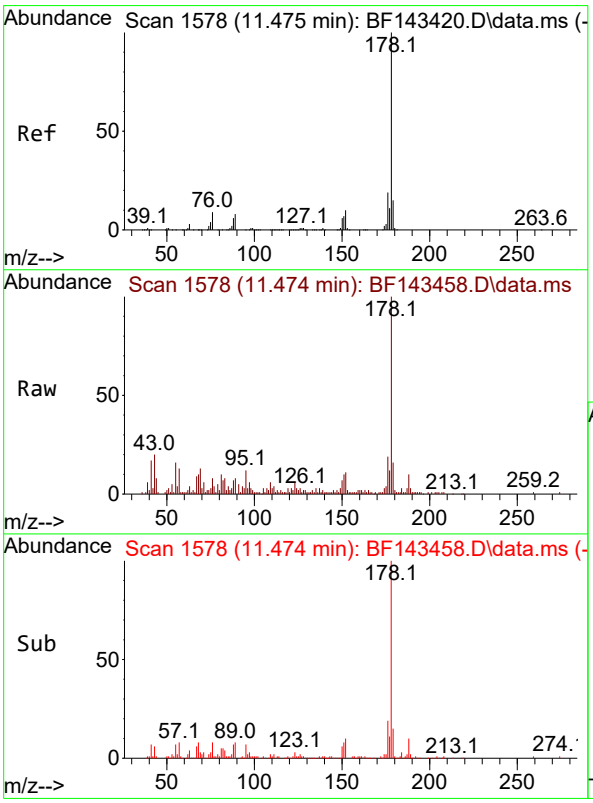
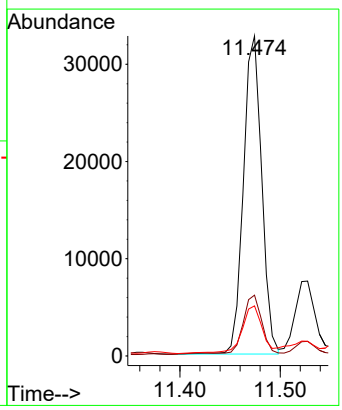
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

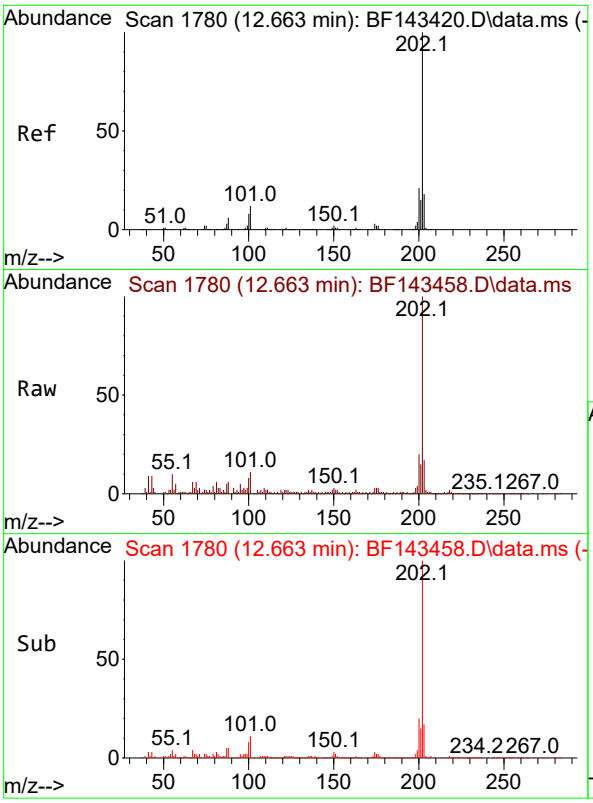


#71
Phenanthrene
Concen: 2.506 ng
RT: 11.474 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:178 Resp: 41412

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.6	12.3	18.5

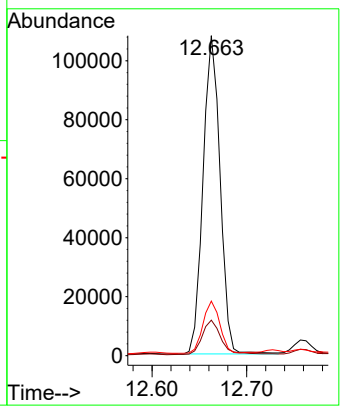




#75
Fluoranthene
Concen: 9.183 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:202 Resp: 13481

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.5
203	17.0	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

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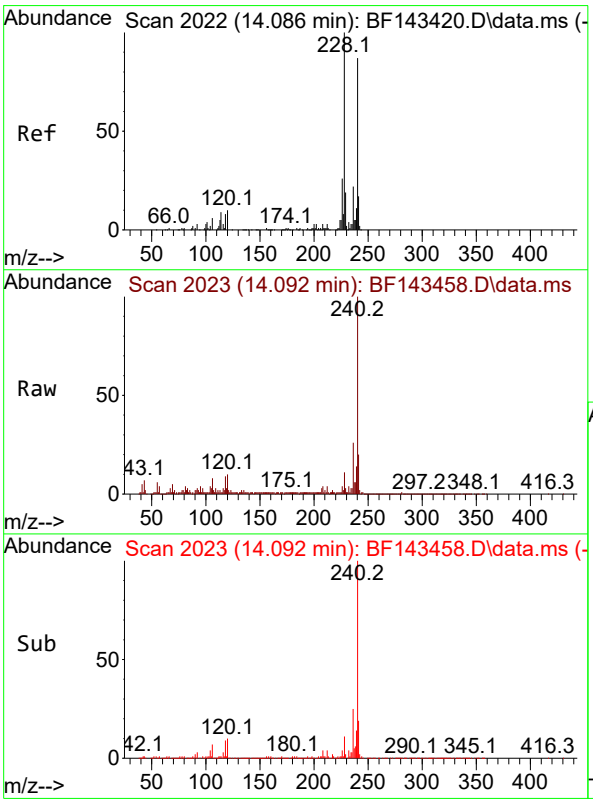
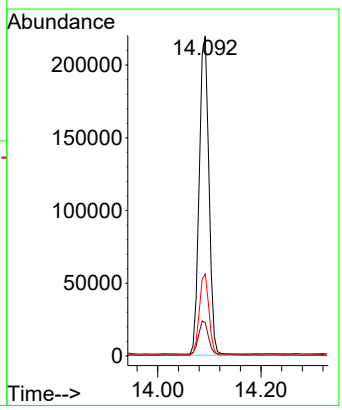
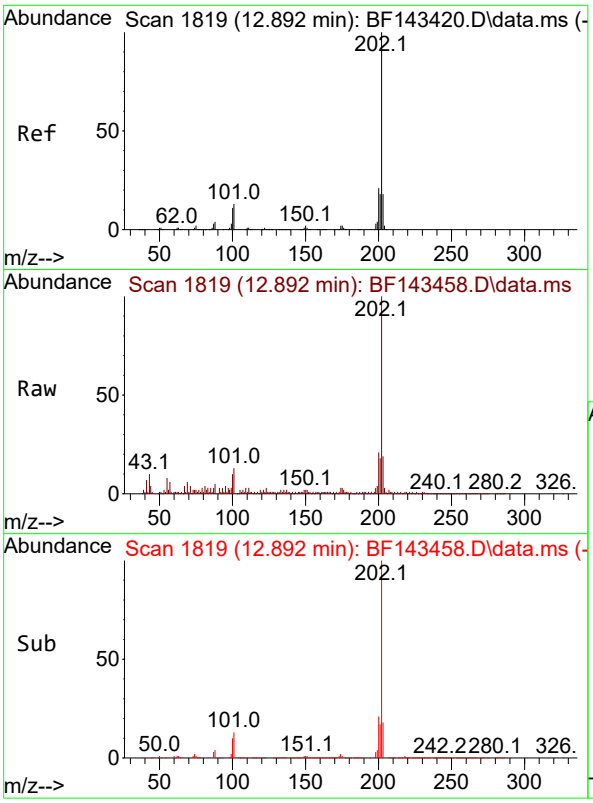


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. 0.006 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:240 Resp: 286997

Ion	Ratio	Lower	Upper
240	100		
120	10.4	9.0	13.4
236	25.6	20.2	30.2

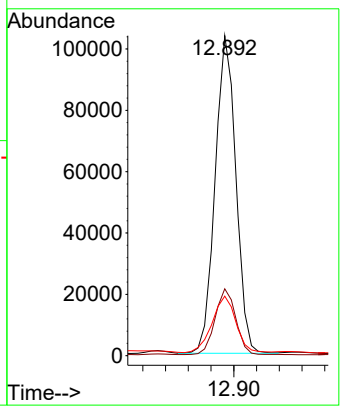




#78
Pyrene
Concen: 5.277 ng
RT: 12.892 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:202 Resp: 13164

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.1	25.7
203	18.6	14.2	21.2



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Manual Integrations
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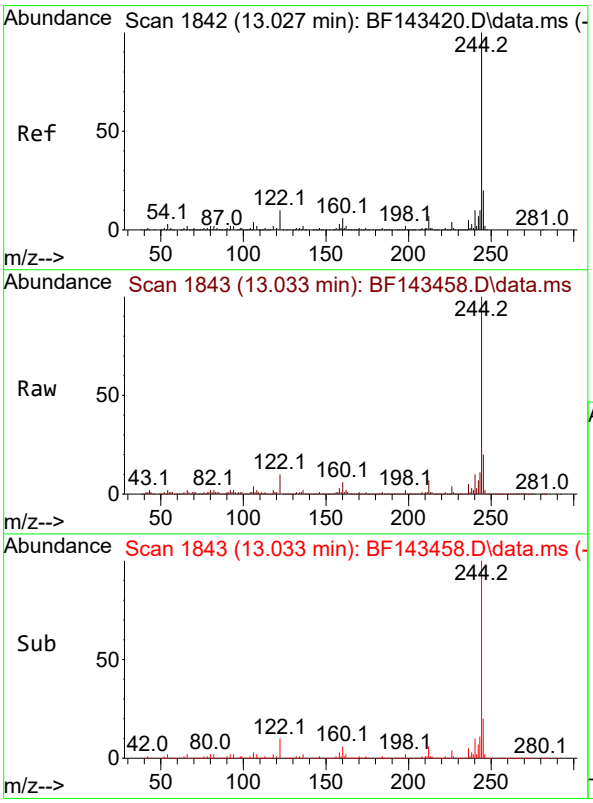
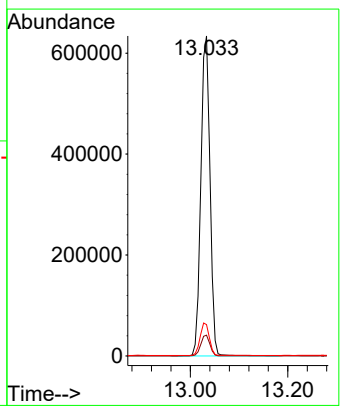
Supervised By :Jagrut Upadhyay 08/20/2025

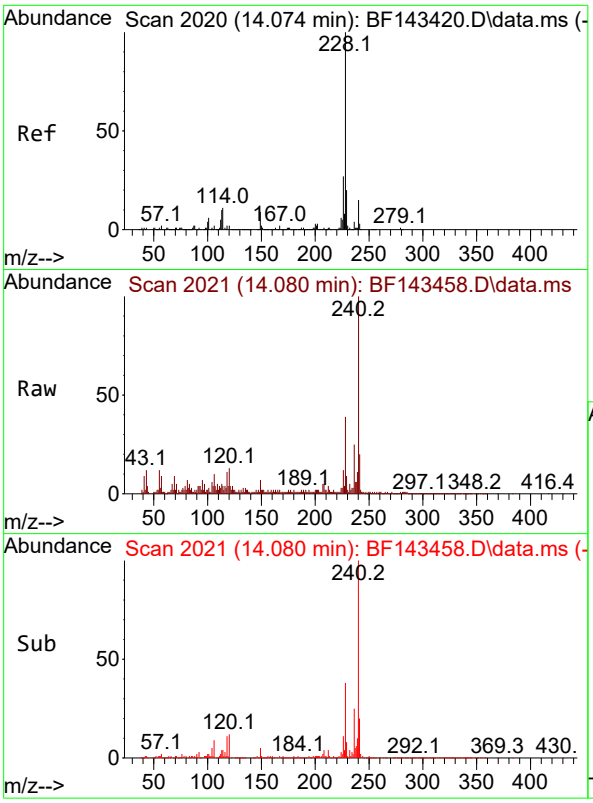


#79
Terphenyl-d14
Concen: 48.204 ng
RT: 13.033 min Scan# 1843
Delta R.T. 0.006 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:244 Resp: 823554

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	9.8	8.3	12.5

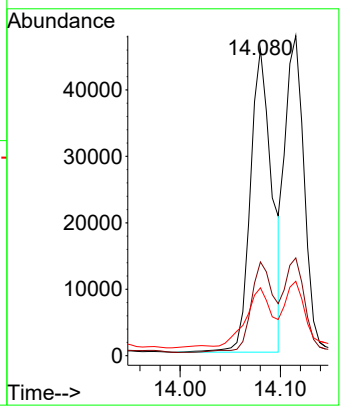




#81
Benzo(a)anthracene
Concen: 3.723 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:228 Resp: 6802

Ion	Ratio	Lower	Upper
228	100		
226	30.6	21.5	32.3
229	22.2	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

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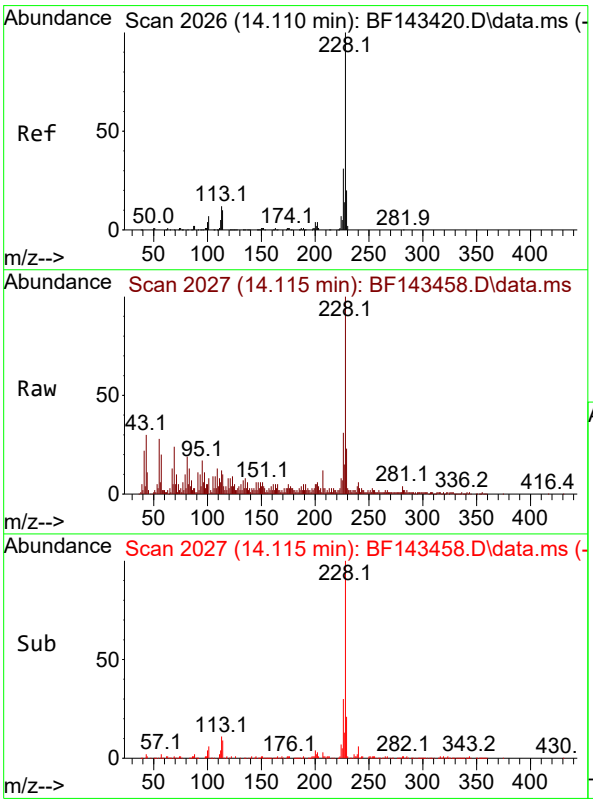
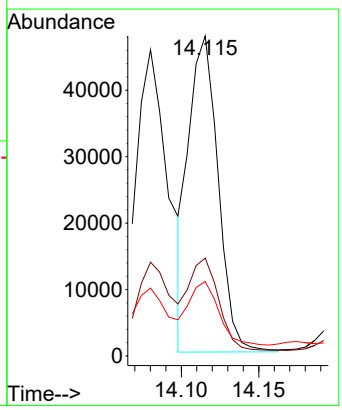
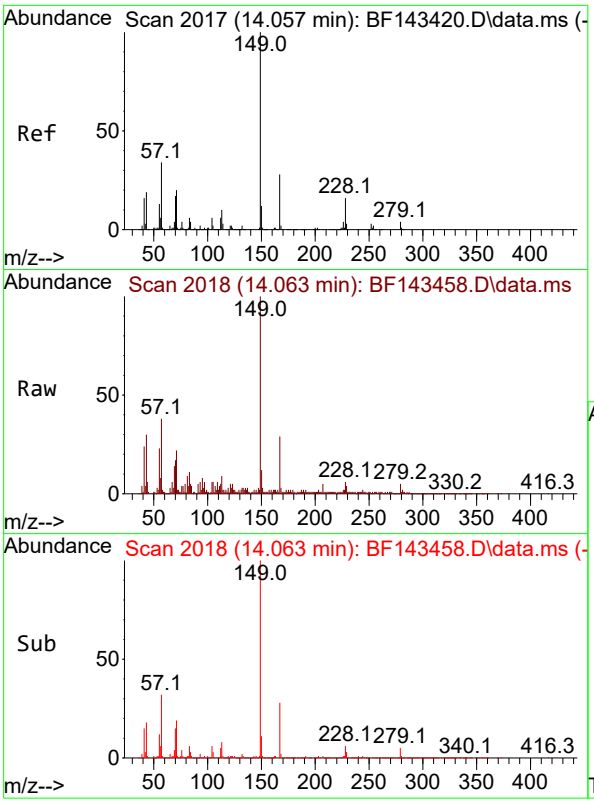


#83
Chrysene
Concen: 3.734 ng
RT: 14.115 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:228 Resp: 63079

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.3	36.5
229	23.2	16.1	24.1





#84
Bis(2-ethylhexyl)phthalate
Concen: 15.036 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Tgt Ion:149 Resp: 13193

Ion	Ratio	Lower	Upper
149	100		
167	28.8	22.6	33.8
279	5.1	3.5	5.3

Manual Integrations
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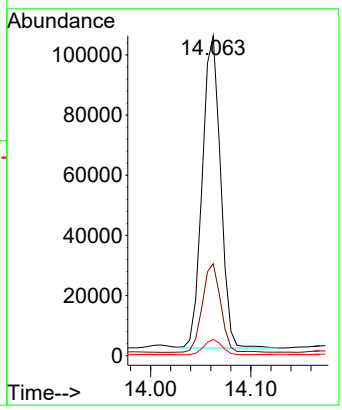
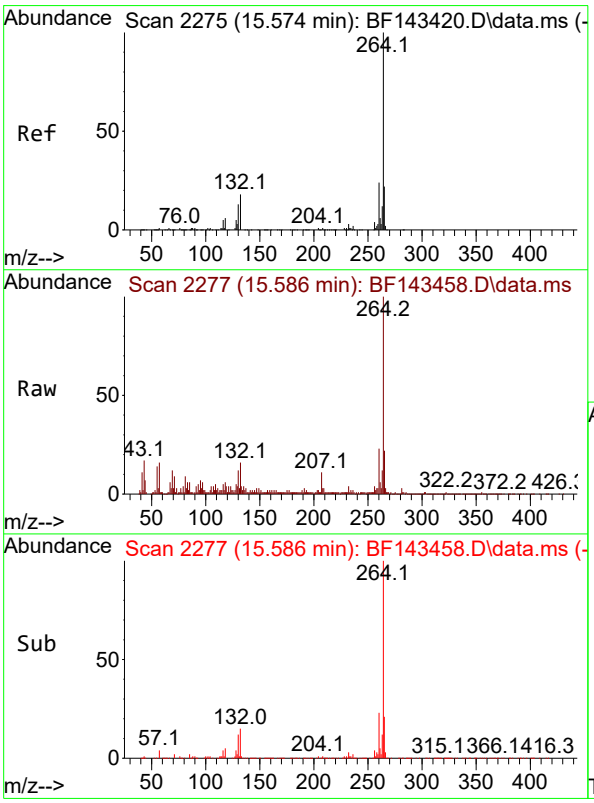
Supervised By :Jagrut Upadhyay 08/20/2025

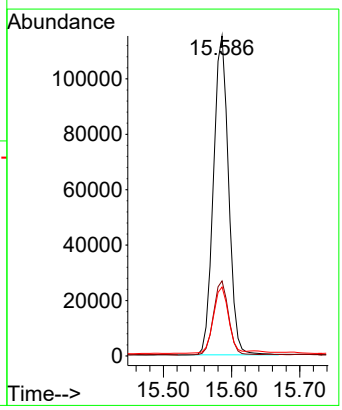


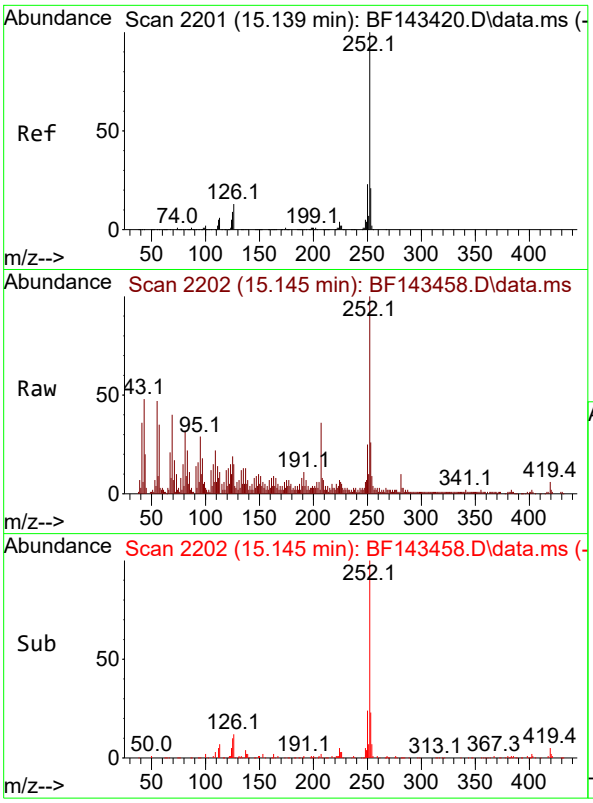


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.586 min Scan# 2277
Delta R.T. 0.012 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:264 Resp: 177608

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.8	28.2
265	21.6	17.4	26.0

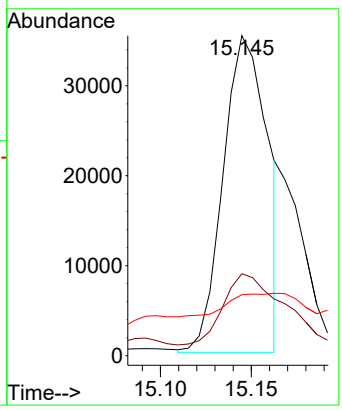




#88
Benzo(b)fluoranthene
Concen: 6.308 ng m
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:252 Resp: 6004

Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.1	25.7
125	19.0	7.5	11.3#



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

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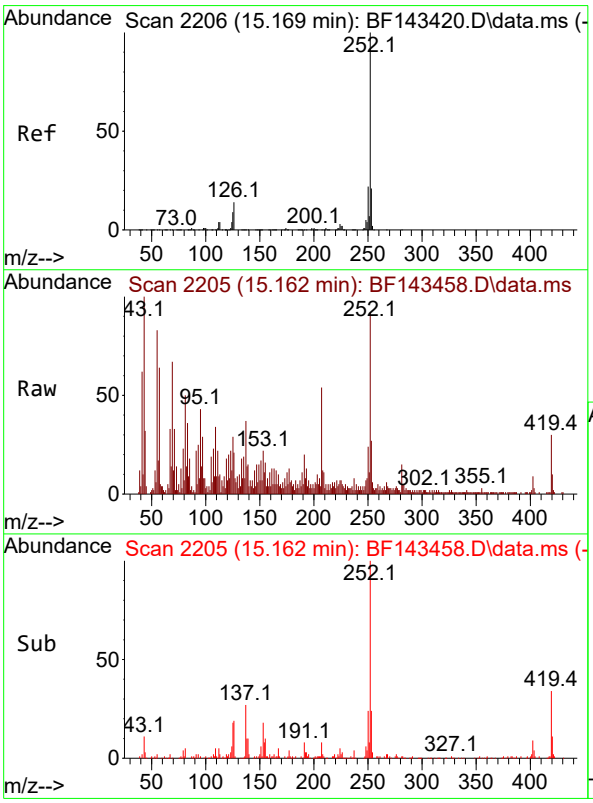
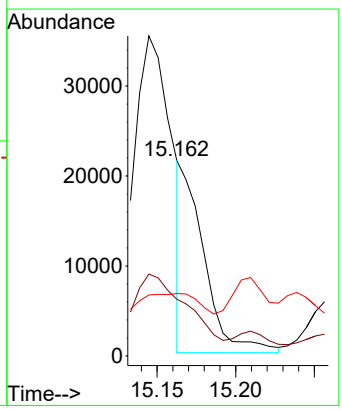
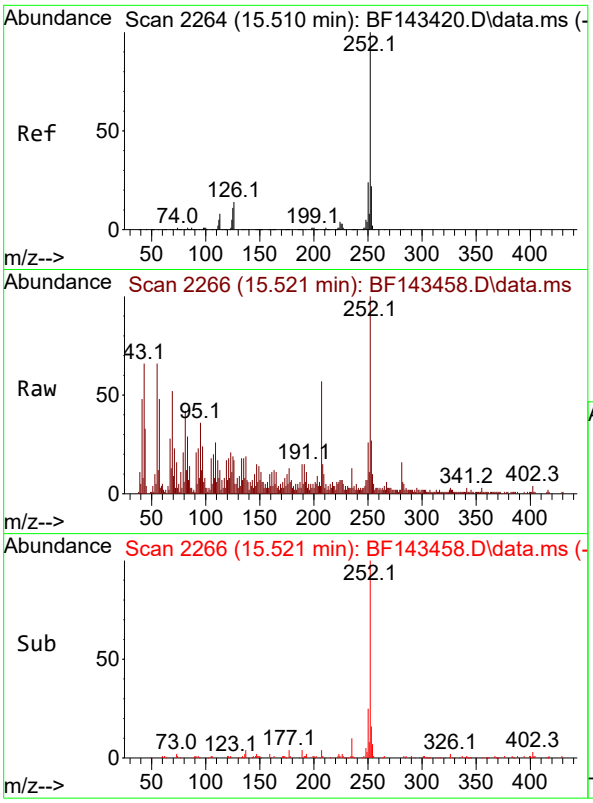


#89
Benzo(k)fluoranthene
Concen: 2.246 ng m
RT: 15.162 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:252 Resp: 21092

Ion	Ratio	Lower	Upper
252	100		
253	29.1	17.2	25.8#
125	31.9	7.4	11.2#

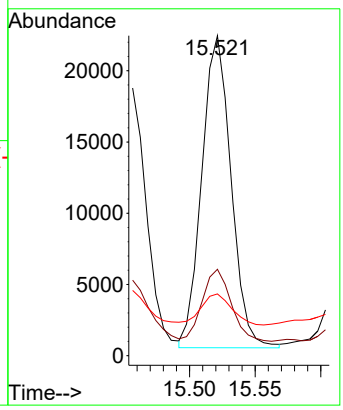




#90
Benzo(a)pyrene
Concen: 3.749 ng
RT: 15.521 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:252 Resp: 3399

Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.4	26.2#
125	19.3	8.6	12.8#



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

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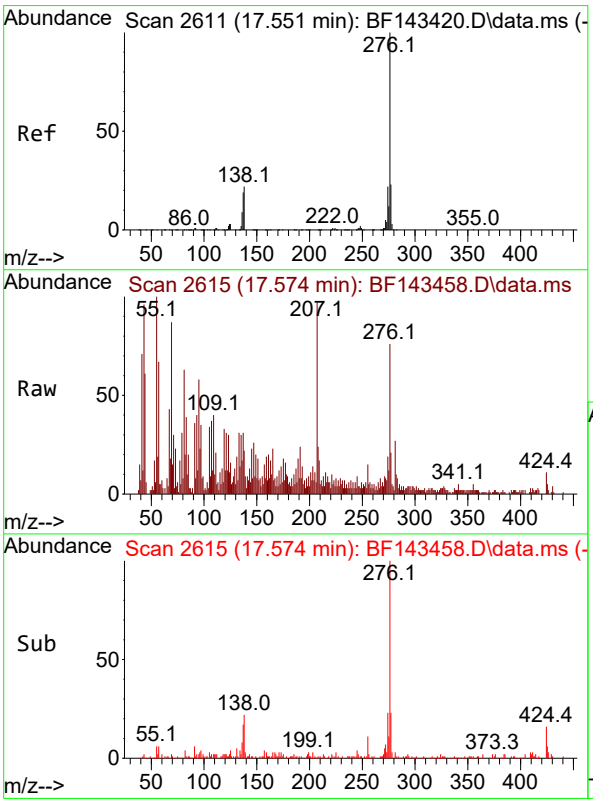
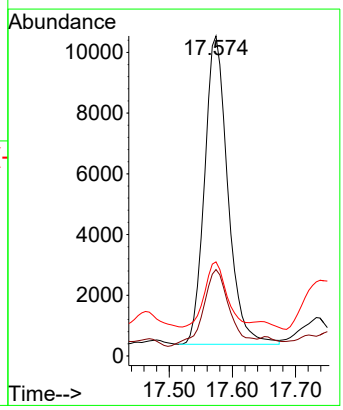


#92
Benzo(g,h,i)perylene
Concen: 2.429 ng
RT: 17.574 min Scan# 2615
Delta R.T. 0.023 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:276 Resp: 25950

Ion	Ratio	Lower	Upper
276	100		
277	27.0	18.7	28.1
138	29.4	17.5	26.3#



Sample Results: **BF143458.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143458.D
Acq On : 19 Aug 2025 15:55
Operator : RC/JU
Sample : Q2879-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143458.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.240	3	8	18	rVB	674862	1048611	22.80%	3.021%
2	5.157	493	504	511	rBV	118238	188834	4.11%	0.544%
3	5.569	568	574	590	rBV	1086361	1480275	32.18%	4.264%
4	6.563	738	743	752	rBV	1092241	1419764	30.86%	4.090%
5	6.928	800	805	812	rBV	500555	606082	13.18%	1.746%
6	7.481	894	899	910	rBV	680817	887287	19.29%	2.556%
7	8.210	1014	1023	1031	rBV	498118	640523	13.92%	1.845%
8	8.822	1119	1127	1136	rBV2	30374	48436	1.05%	0.140%
9	9.280	1199	1205	1212	rBV	1220812	1521715	33.08%	4.383%
10	9.963	1316	1321	1335	rVB	554372	721652	15.69%	2.079%
11	10.669	1437	1441	1446	rBV	110217	147699	3.21%	0.425%
12	10.751	1450	1455	1464	rVB	764057	990381	21.53%	2.853%
13	10.986	1491	1495	1499	rVB2	56172	76287	1.66%	0.220%
14	11.110	1513	1516	1523	rBV	39987	61161	1.33%	0.176%
15	11.451	1569	1574	1580	rBV	594039	898794	19.54%	2.589%
16	11.974	1659	1663	1675	rVV	590895	886952	19.28%	2.555%
17	12.592	1764	1768	1774	rVB	129147	185562	4.03%	0.535%
18	12.663	1776	1780	1792	rBV	293632	765123	16.63%	2.204%
19	12.757	1792	1796	1805	rVV	198867	330240	7.18%	0.951%
20	12.892	1815	1819	1825	rVB	219740	303808	6.60%	0.875%
21	13.033	1837	1843	1850	rBV	1650752	2230489	48.49%	6.425%
22	13.392	1900	1904	1909	rBV2	210579	365281	7.94%	1.052%
23	13.468	1914	1917	1926	rVB4	160464	325099	7.07%	0.936%
24	13.921	1991	1994	2006	rVB3	598423	1179774	25.65%	3.398%
25	14.063	2014	2018	2020	rBV	332027	489557	10.64%	1.410%
26	14.092	2020	2023	2029	rVB	592219	843743	18.34%	2.431%
27	14.551	2097	2101	2108	rBV2	630466	1029811	22.39%	2.966%
28	14.939	2164	2167	2174	rVB	308626	400087	8.70%	1.152%
29	15.010	2176	2179	2187	rVB	192862	269209	5.85%	0.775%
30	15.210	2208	2213	2217	rBV	1119430	1644450	35.75%	4.737%
31	15.586	2273	2277	2285	rVB	321697	495829	10.78%	1.428%
32	15.804	2311	2314	2319	rVB	154251	214811	4.67%	0.619%
33	16.045	2350	2355	2361	rVB	815638	1416811	30.80%	4.081%
34	16.333	2400	2404	2418	rVB	376711	767913	16.69%	2.212%
35	17.768	2634	2648	2657	rBV6	1040679	4600090	100.00%	13.251%
36	17.945	2674	2678	2686	rVB	356523	763370	16.59%	2.199%

Sample Results: **BF143458.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143458.D
Acq On : 19 Aug 2025 15:55
Operator : RC/JU
Sample : Q2879-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.209	2716	2723	2733	rBV	683920	2049866	44.56%	5.905%
38	18.574	2777	2785	2790	rBV2	566159	1815250	39.46%	5.229%
39	18.721	2805	2810	2816	rBV2	252916	604121	13.13%	1.740%

Sum of corrected areas: 34714747

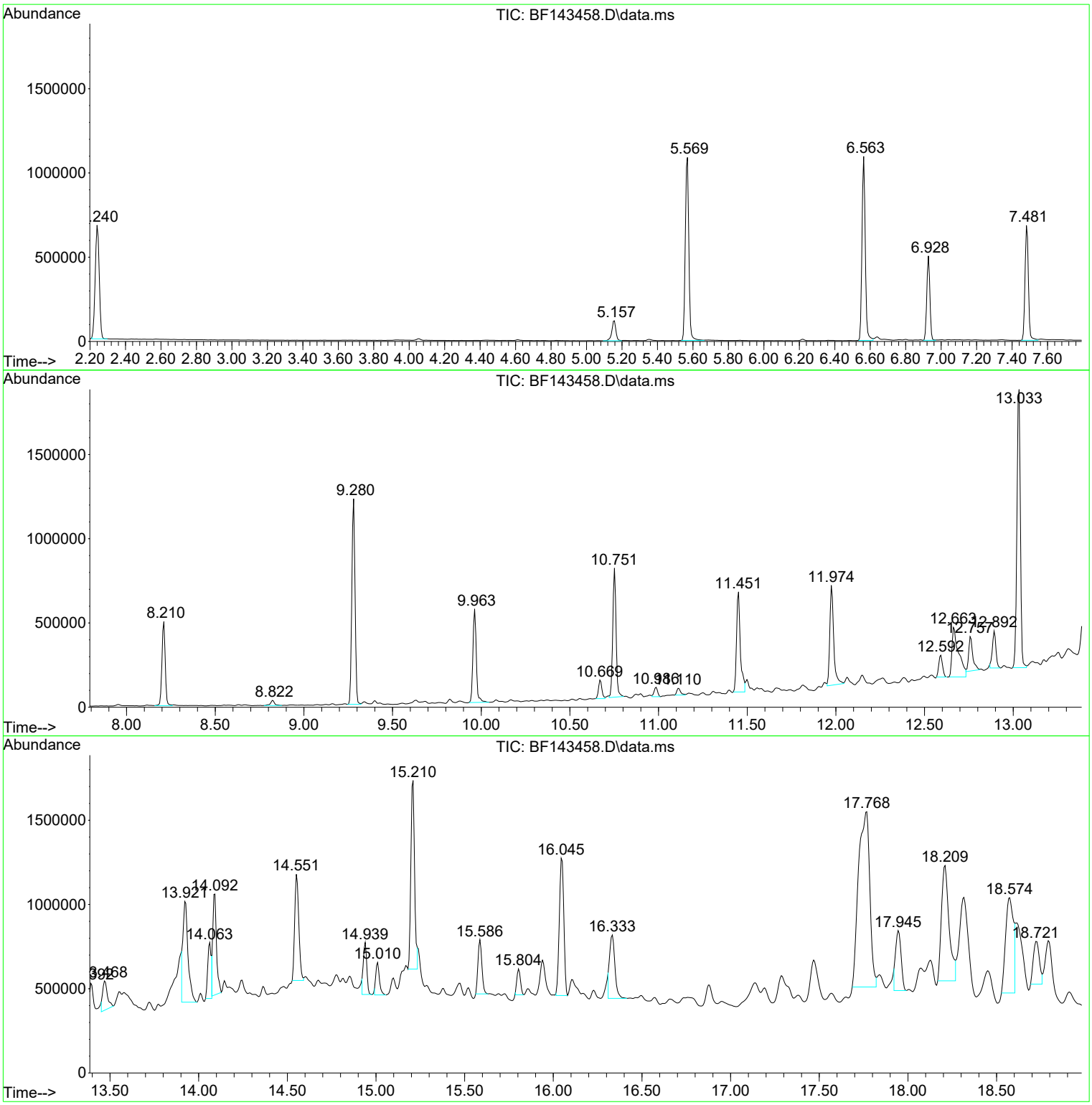
Sample Results: **BF143458.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143458.D
Acq On : 19 Aug 2025 15:55
Operator : RC/JU
Sample : Q2879-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143458.D
Acq On : 19 Aug 2025 15:55
Operator : RC/JU
Sample : Q2879-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143458.D
Acq On : 19 Aug 2025 15:55
Operator : RC/JU
Sample : Q2879-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP11-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-17	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	77
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143459.D	1	08/18/25 09:06	08/19/25 16:24	PB169285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.17	U	0.029	0.17	0.22	mg/Kg
91-57-6	2-Methylnaphthalene	0.17	U	0.033	0.17	0.22	mg/Kg
208-96-8	Acenaphthylene	0.17	U	0.038	0.17	0.22	mg/Kg
83-32-9	Acenaphthene	0.17	U	0.028	0.17	0.22	mg/Kg
86-73-7	Fluorene	0.17	U	0.033	0.17	0.22	mg/Kg
85-01-8	Phenanthrene	0.13	J	0.027	0.17	0.22	mg/Kg
120-12-7	Anthracene	0.17	U	0.043	0.17	0.22	mg/Kg
206-44-0	Fluoranthene	0.43		0.039	0.17	0.22	mg/Kg
129-00-0	Pyrene	0.25		0.047	0.17	0.22	mg/Kg
56-55-3	Benzo(a)anthracene	0.17	J	0.030	0.17	0.22	mg/Kg
218-01-9	Chrysene	0.17	J	0.026	0.17	0.22	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.28		0.025	0.17	0.22	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.10	J	0.029	0.17	0.22	mg/Kg
50-32-8	Benzo(a)pyrene	0.17	J	0.038	0.17	0.22	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.17	U	0.038	0.17	0.22	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.17	U	0.036	0.17	0.22	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.10	J	0.033	0.17	0.22	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	64.8		37 - 122		65%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.2		44 - 115		63%	SPK: 100
1718-51-0	Terphenyl-d14	55.3		54 - 127		55%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	97600	6.928				
1146-65-2	Naphthalene-d8	324000	8.21				
15067-26-2	Acenaphthene-d10	169000	9.963				
1517-22-2	Phenanthrene-d10	306000	11.451				
1719-03-5	Chrysene-d12	251000	14.092				
1520-96-3	Perylene-d12	172000	15.586				
TENTATIVE IDENTIFIED COMPOUNDS							

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP11-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-17	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	77
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143459.D	1	08/18/25 09:06	08/19/25 16:24	PB169285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972608	Alachlor	N.D					
82-68-8	Quintozine	N.D					

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143459.D
Acq On : 19 Aug 2025 16:24
Operator : RC/JU
Sample : Q2879-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 19 16:43:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	97604	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	324465	20.000	ng		0.00
39) Acenaphthene-d10	9.963	164	169368	20.000	ng		0.00
64) Phenanthrene-d10	11.451	188	306262	20.000	ng		0.00
76) Chrysene-d12	14.092	240	251302	20.000	ng		0.00
86) Perylene-d12	15.586	264	171573	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.569	112	518248	92.300	ng		0.01
7) Phenol-d6	6.563	99	602112	85.092	ng		0.00
23) Nitrobenzene-d5	7.481	82	354131	64.764	ng		0.00
42) 2,4,6-Tribromophenol	10.751	330	156037	103.507	ng		0.00
45) 2-Fluorobiphenyl	9.280	172	636012	63.162	ng		0.00
79) Terphenyl-d14	13.033	244	827593	55.321	ng		0.00
Target Compounds							Qvalue
6) Aniline	6.575	93	27312	2.843	ng		90
71) Phenanthrene	11.474	178	50404	3.039	ng		99
75) Fluoranthene	12.663	202	146224	9.923	ng		99
78) Pyrene	12.892	202	124021	5.678	ng		98
81) Benzo(a)anthracene	14.080	228	61995	3.875	ng	#	91
83) Chrysene	14.115	228	58931	3.984	ng		95
88) Benzo(b)fluoranthene	15.145	252	59170m	6.435	ng		
89) Benzo(k)fluoranthene	15.162	252	21676m	2.390	ng		
90) Benzo(a)pyrene	15.521	252	34862	3.980	ng	#	86
92) Benzo(g,h,i)perylene	17.580	276	24858	2.408	ng	#	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

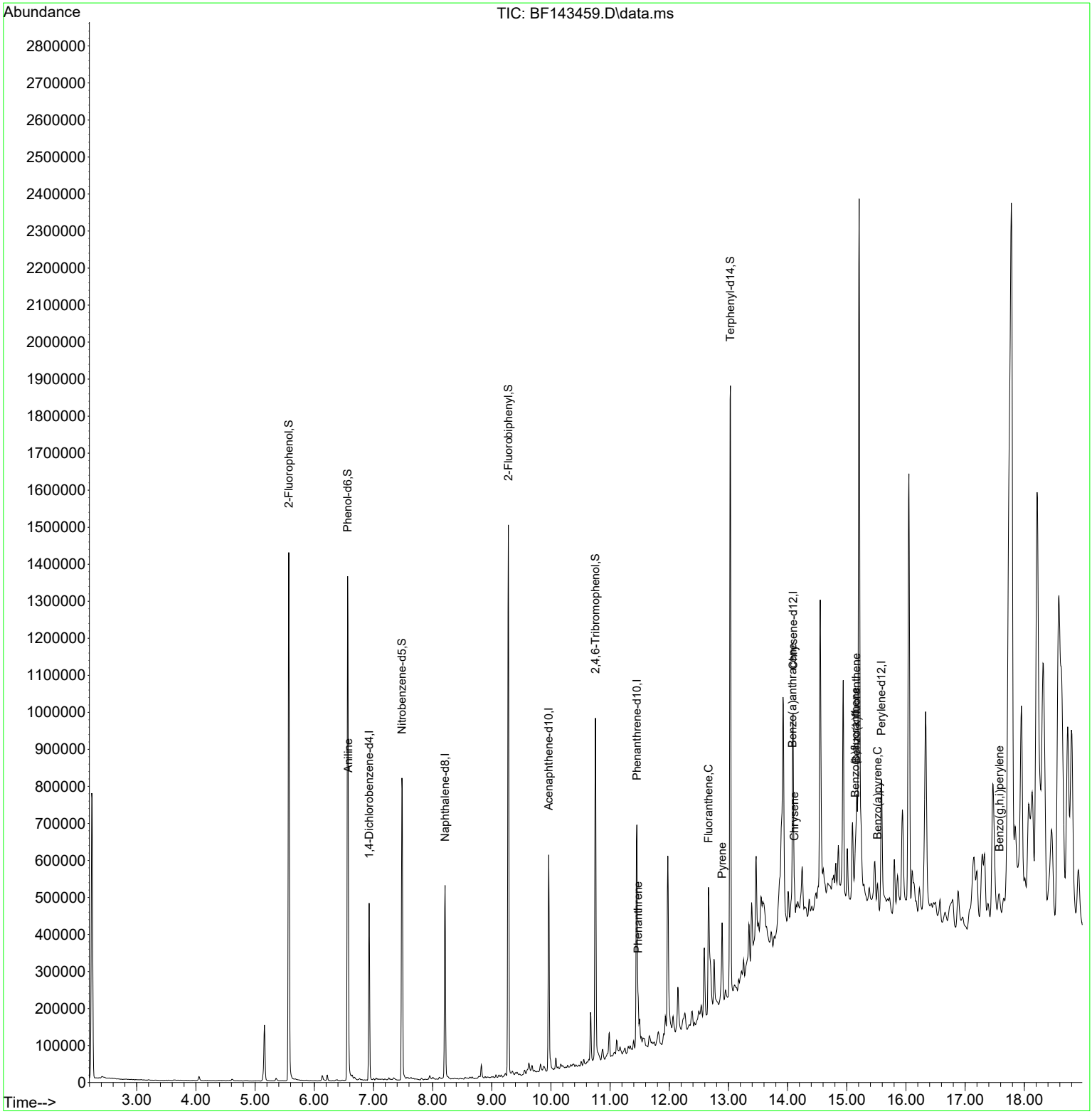
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143459.D
Acq On : 19 Aug 2025 16:24
Operator : RC/JU
Sample : Q2879-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

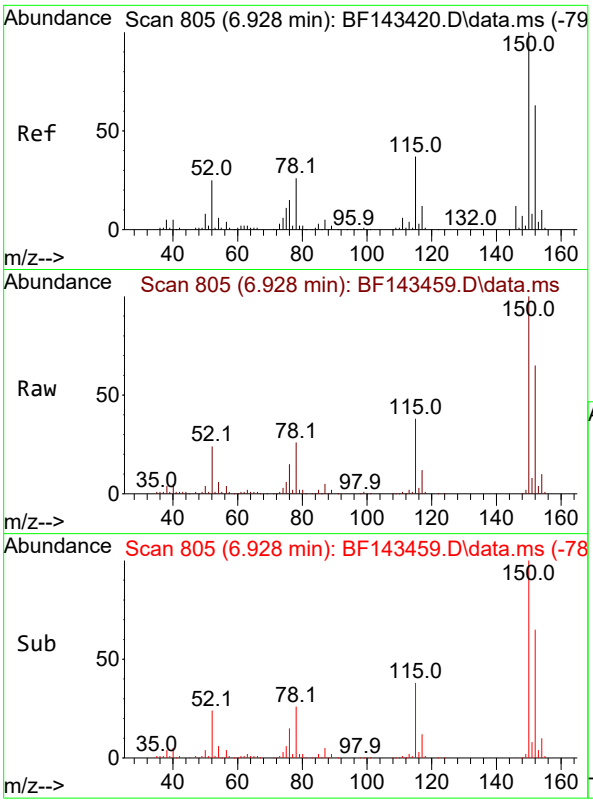
Quant Time: Aug 19 16:43:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

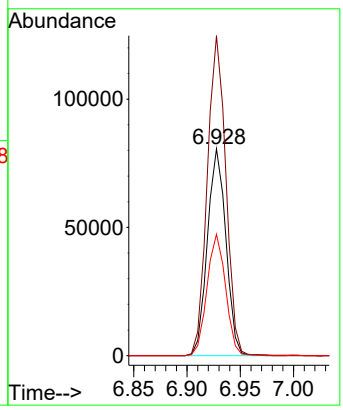




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion:152 Resp: 9760

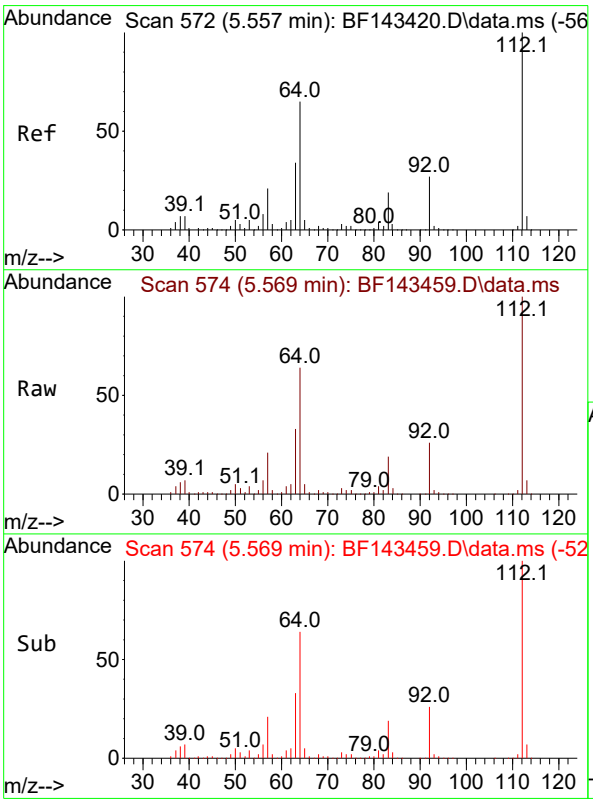
Ion	Ratio	Lower	Upper
152	100		
150	154.6	127.4	191.2
115	58.7	47.5	71.3



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Manual Integrations
APPROVED

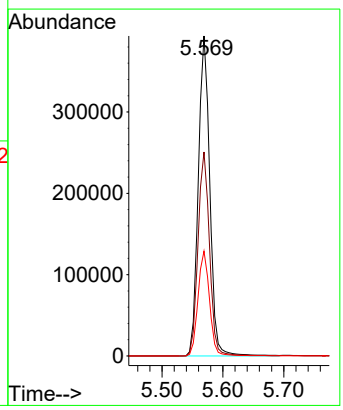
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

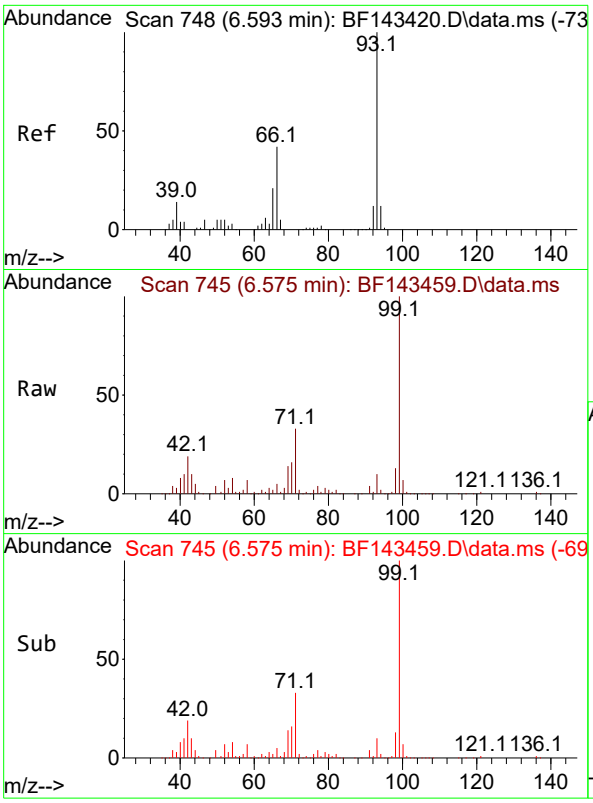


#5
2-Fluorophenol
Concen: 92.300 ng
RT: 5.569 min Scan# 574
Delta R.T. 0.012 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion:112 Resp: 518248

Ion	Ratio	Lower	Upper
112	100		
64	63.8	52.2	78.2
63	32.7	27.0	40.6





#6
Aniline
Concen: 2.843 ng
RT: 6.575 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

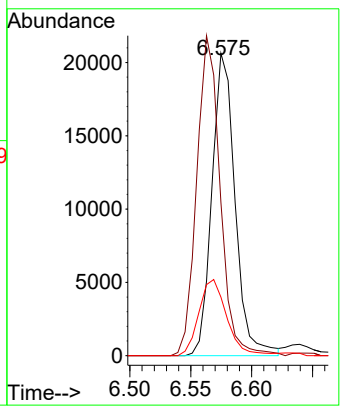
Tgt Ion: 93 Resp: 2731

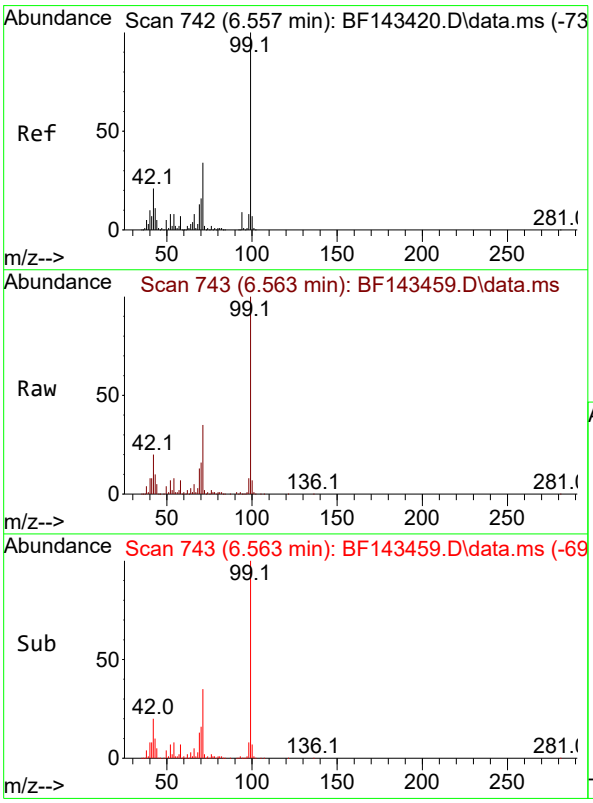
Ion	Ratio	Lower	Upper
93	100		
66	50.7	33.8	50.8
65	19.4	17.2	25.8

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

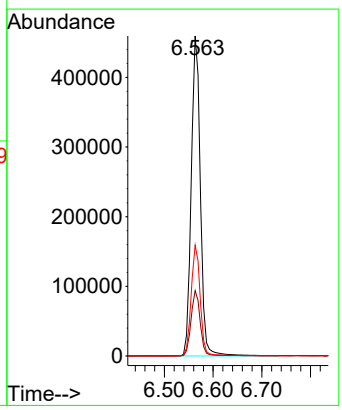


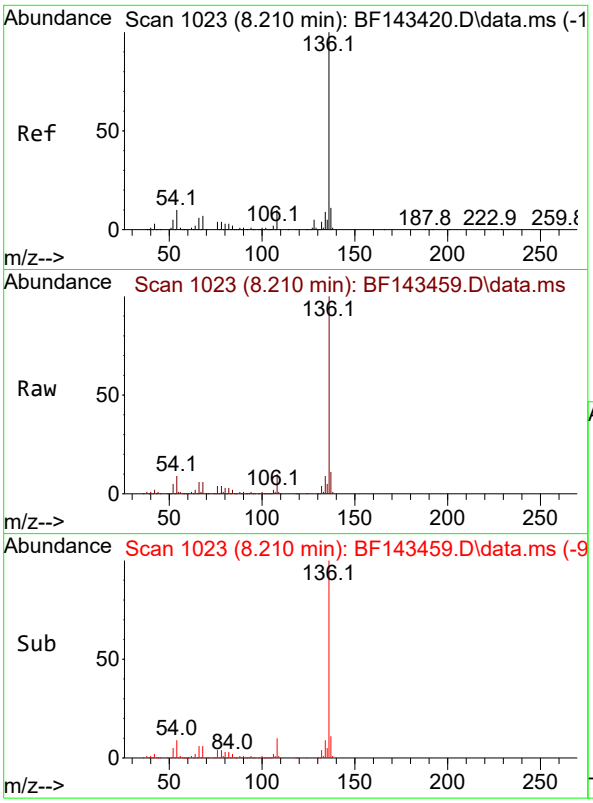


#7
Phenol-d6
Concen: 85.092 ng
RT: 6.563 min Scan# 743
Delta R.T. 0.006 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion: 99 Resp: 602112

Ion	Ratio	Lower	Upper
99	100		
42	20.4	17.0	25.6
71	34.6	27.4	41.2

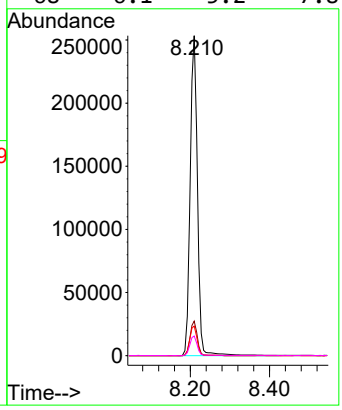




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion:136 Resp: 32446

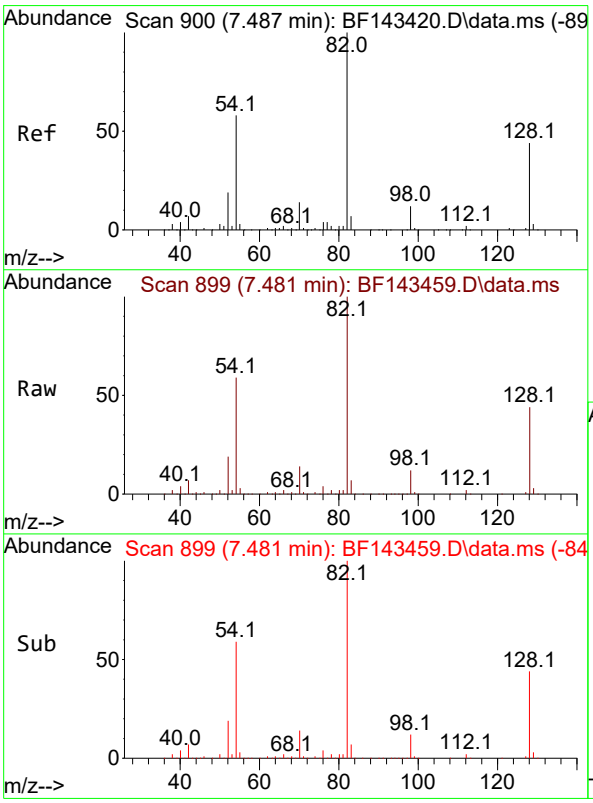
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	9.3	7.8	11.8
68	6.1	5.2	7.8



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Manual Integrations
APPROVED

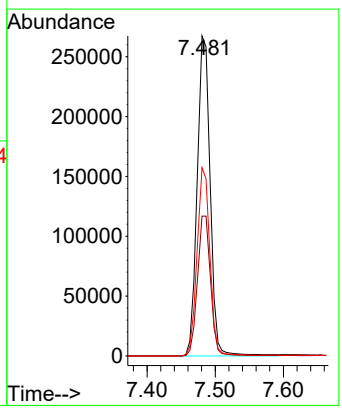
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

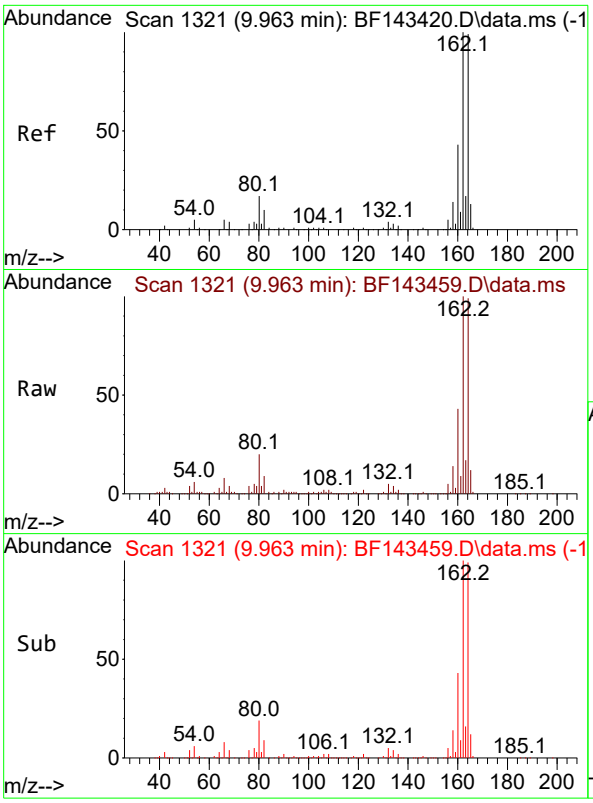


#23
Nitrobenzene-d5
Concen: 64.764 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion: 82 Resp: 354131

Ion	Ratio	Lower	Upper
82	100		
128	43.7	34.6	52.0
54	58.9	46.0	69.0

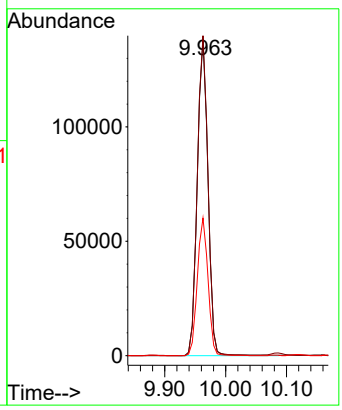




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion:164 Resp: 16936

Ion	Ratio	Lower	Upper
164	100		
162	101.1	80.6	121.0
160	43.5	34.6	51.8



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Manual Integrations
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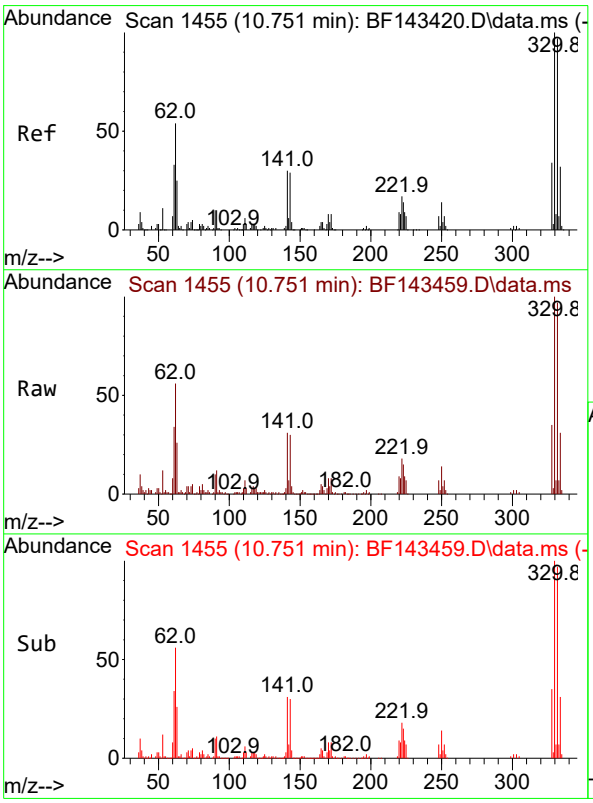
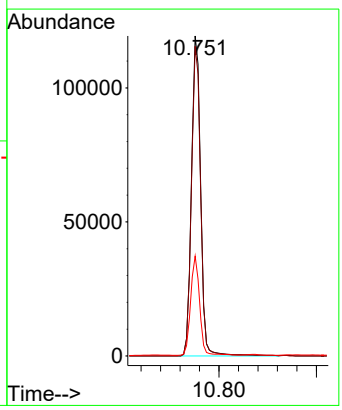
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

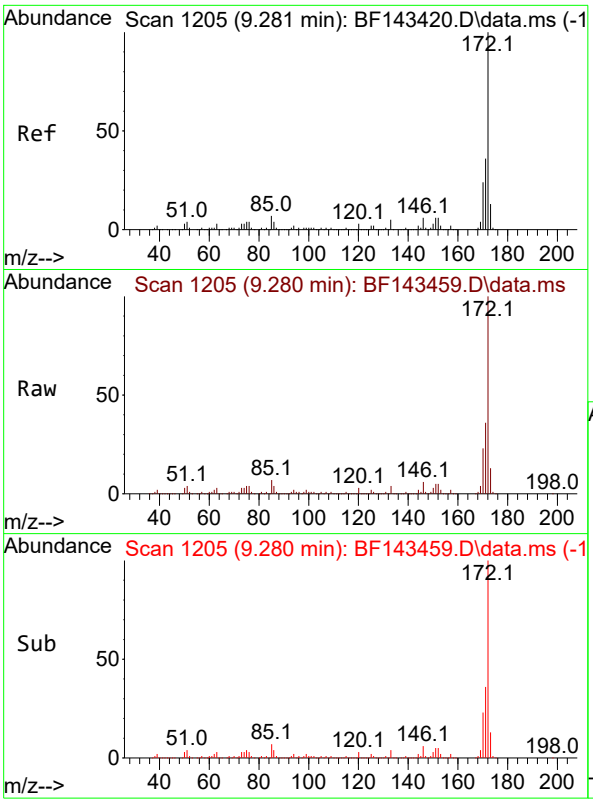


#42
2,4,6-Tribromophenol
Concen: 103.507 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion:330 Resp: 156037

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.4	116.2
141	30.2	24.1	36.1

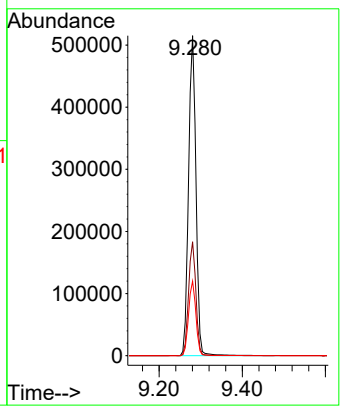




#45
2-Fluorobiphenyl
Concen: 63.162 ng
RT: 9.280 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion:172 Resp: 63601

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.7	43.1
170	23.3	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Manual Integrations
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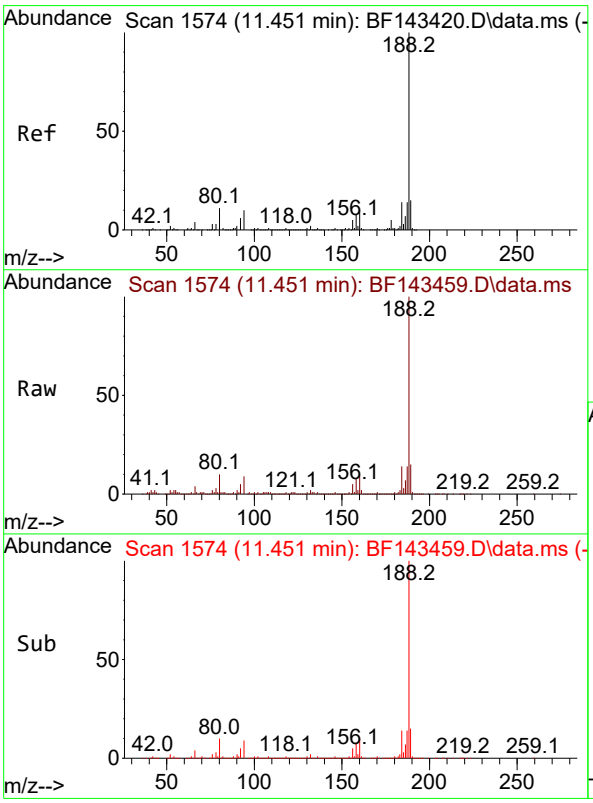
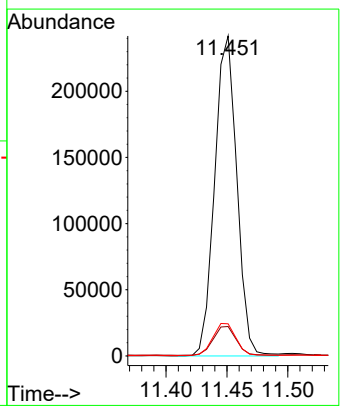
Supervised By :Jagrut Upadhyay 08/20/2025

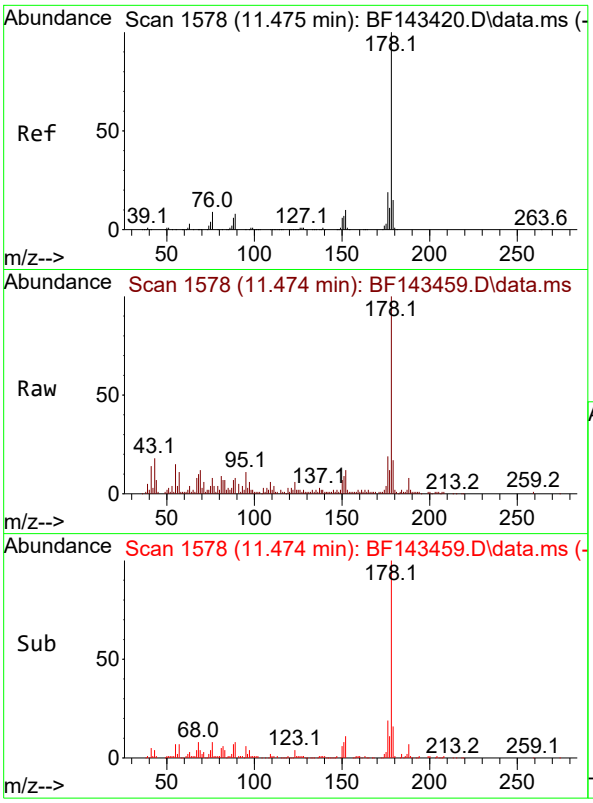


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion:188 Resp: 306262

Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.0	12.0
80	10.1	8.6	12.8

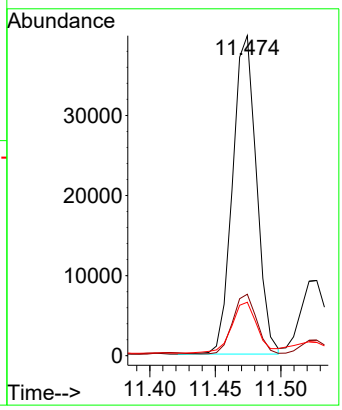




#71
Phenanthrene
Concen: 3.039 ng
RT: 11.474 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion:178 Resp: 5040

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	16.7	12.3	18.5



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

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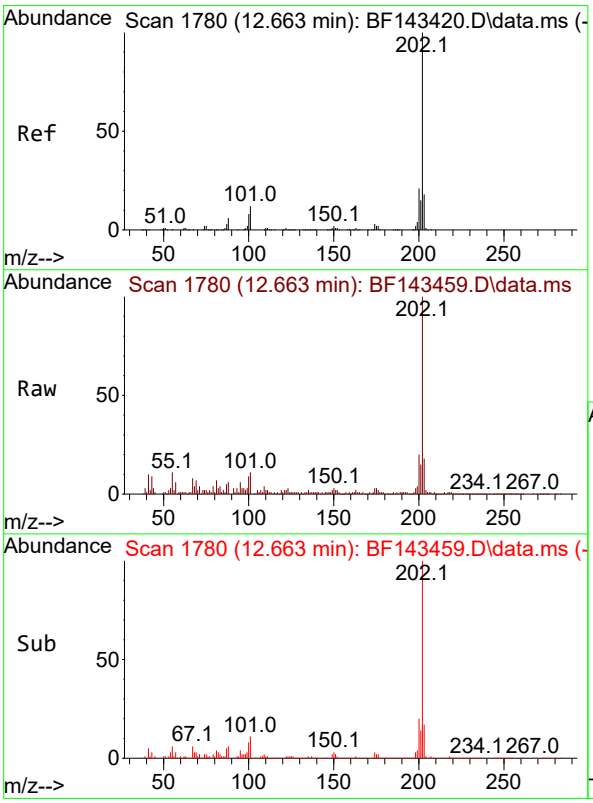
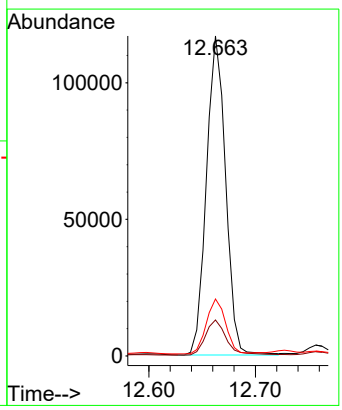
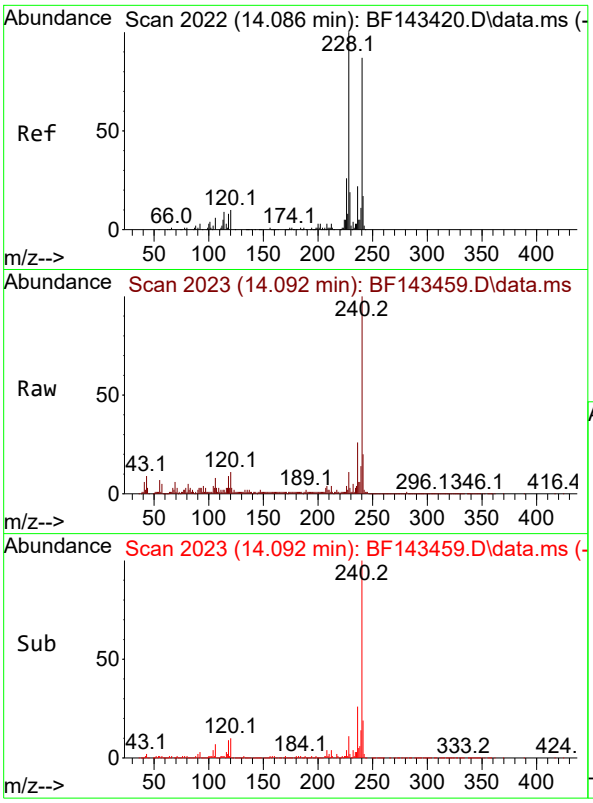


#75
Fluoranthene
Concen: 9.923 ng
RT: 12.663 min Scan# 1780
Delta R.T. -0.000 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion:202 Resp: 146224

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.5
203	17.8	0.0	37.5

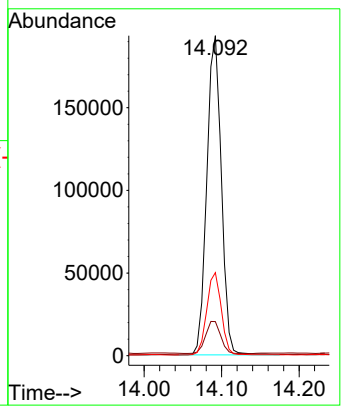




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion:240 Resp: 25130

Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.0	13.4
236	25.9	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Manual Integrations
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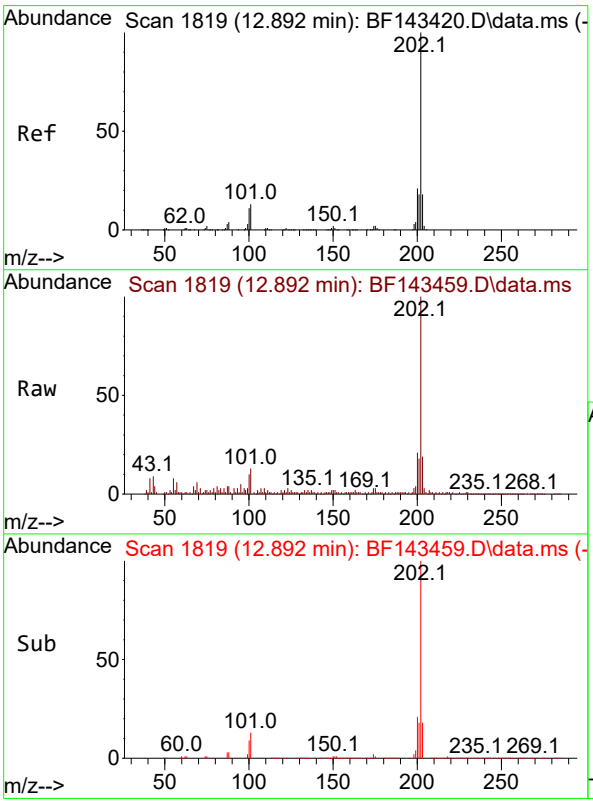
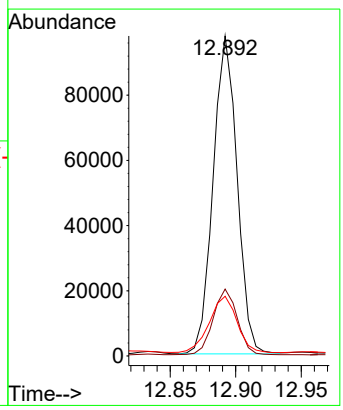
Supervised By :Jagrut Upadhyay 08/20/2025

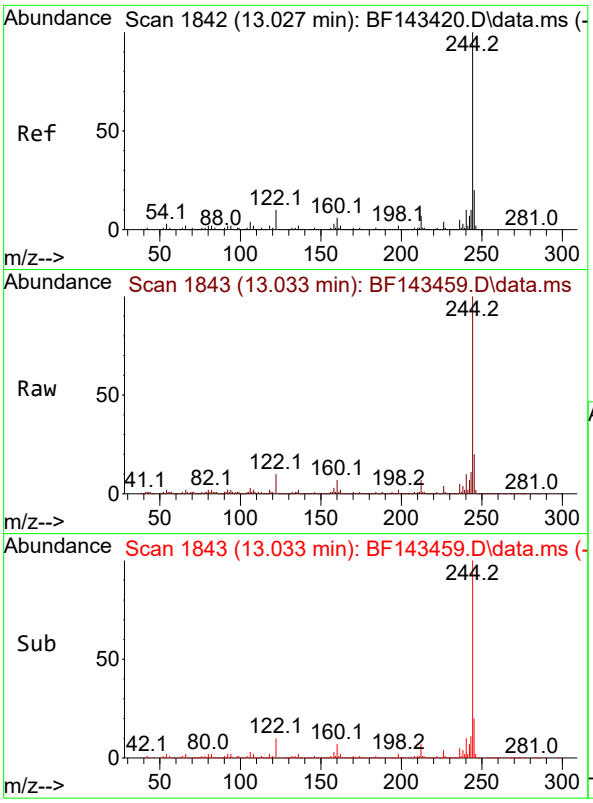


#78
Pyrene
Concen: 5.678 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion:202 Resp: 124021

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.1	25.7
203	18.6	14.2	21.2

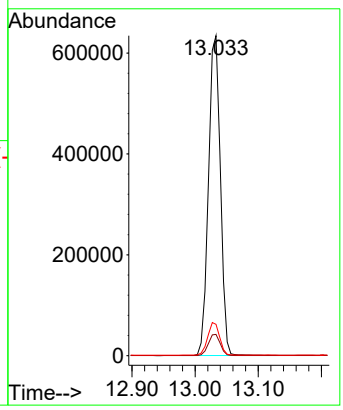




#79
Terphenyl-d14
Concen: 55.321 ng
RT: 13.033 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion:244 Resp: 82759

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	9.8	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Manual Integrations
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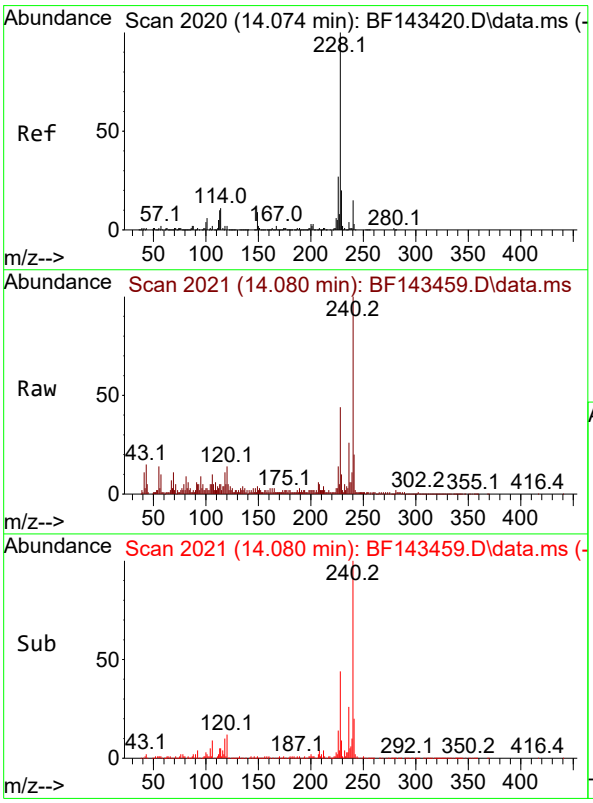
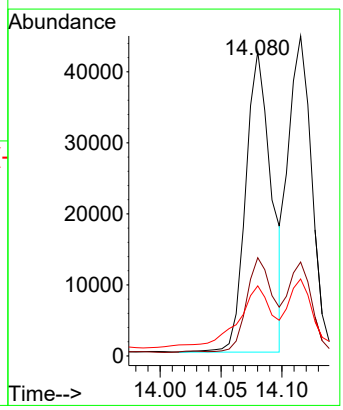
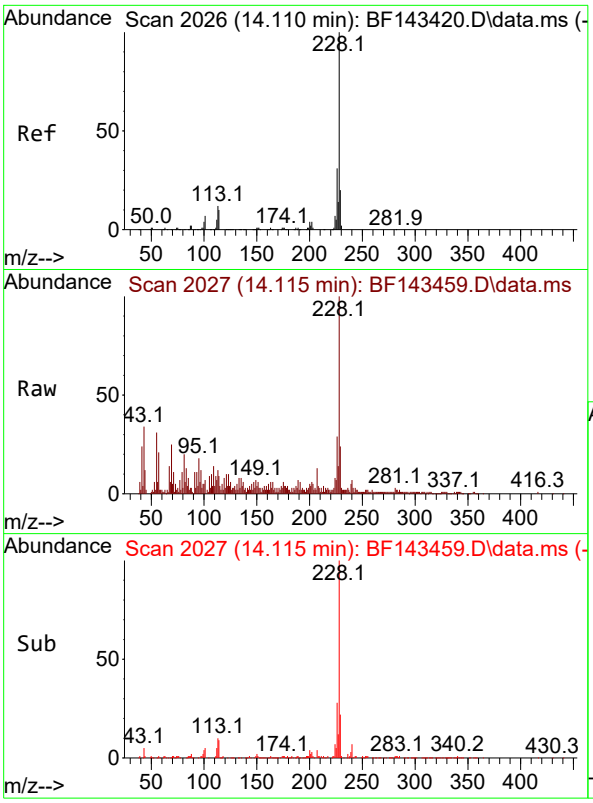


#81
Benzo(a)anthracene
Concen: 3.875 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion:228 Resp: 61995

Ion	Ratio	Lower	Upper
228	100		
226	32.3	21.5	32.3#
229	23.0	15.7	23.5

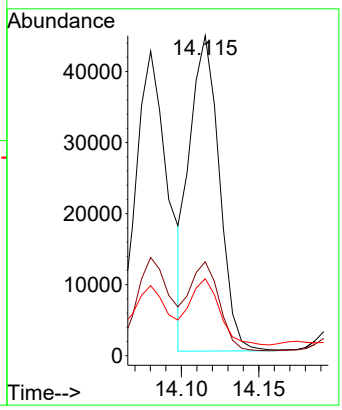




#83
Chrysene
Concen: 3.984 ng
RT: 14.115 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion:228 Resp: 5893

Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.3	36.5
229	24.0	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Manual Integrations
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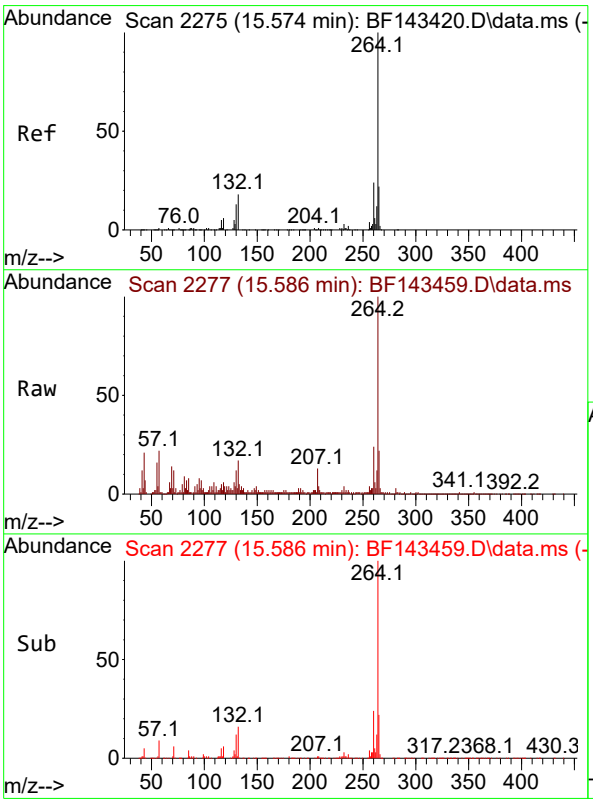
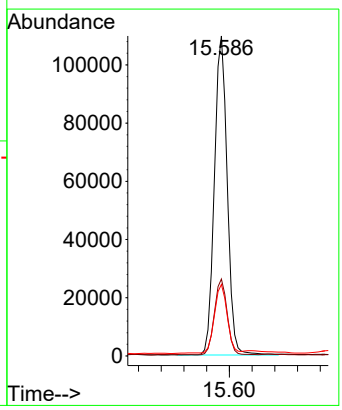
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

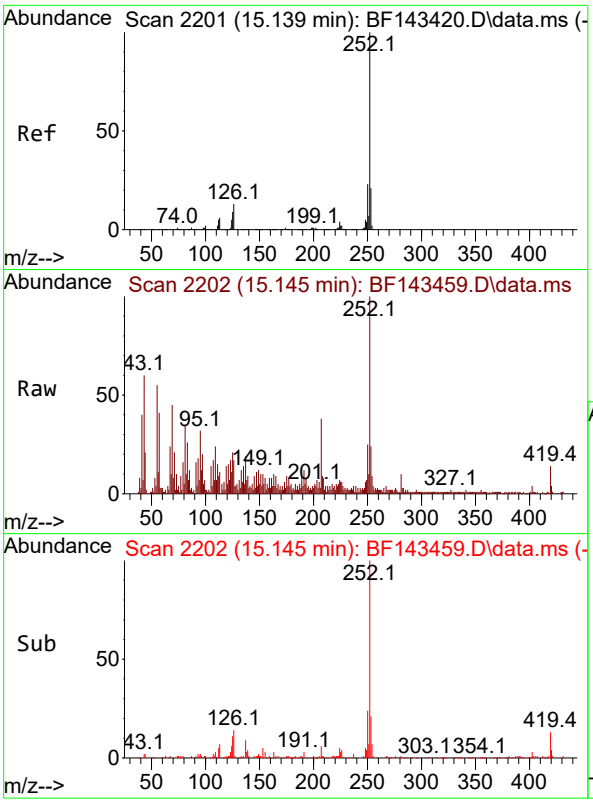


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.586 min Scan# 2277
Delta R.T. 0.012 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion:264 Resp: 171573

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.8	28.2
265	22.3	17.4	26.0

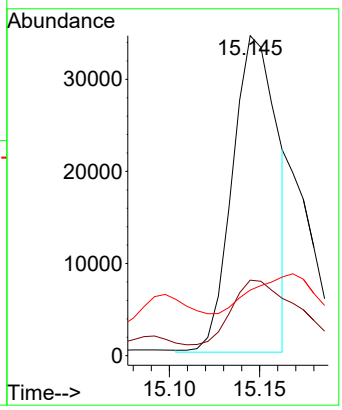




#88
Benzo(b)fluoranthene
Concen: 6.435 ng m
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion:252 Resp: 5917

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	20.5	7.5	11.3#



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

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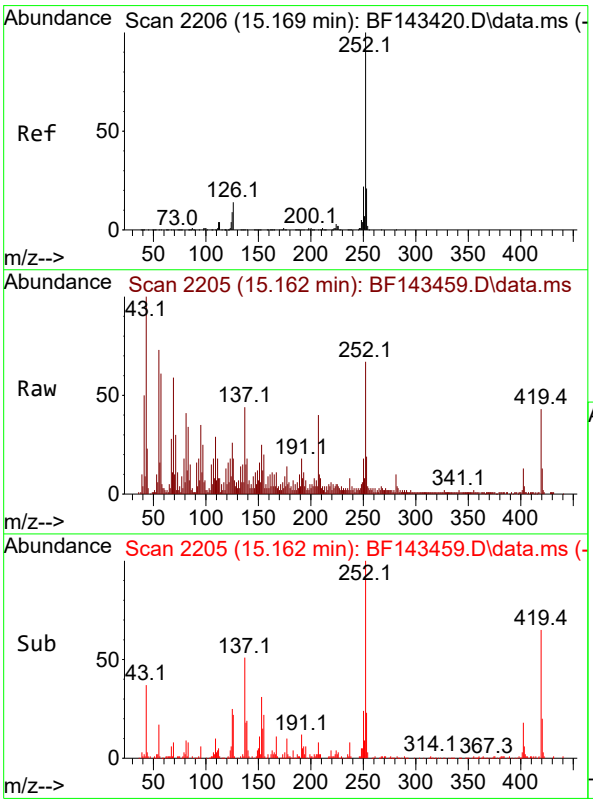
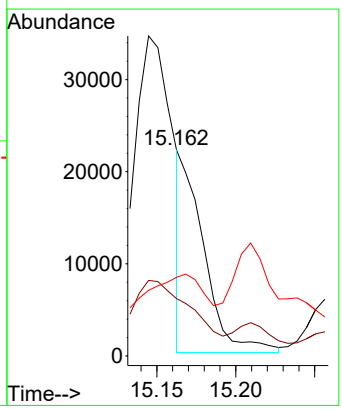
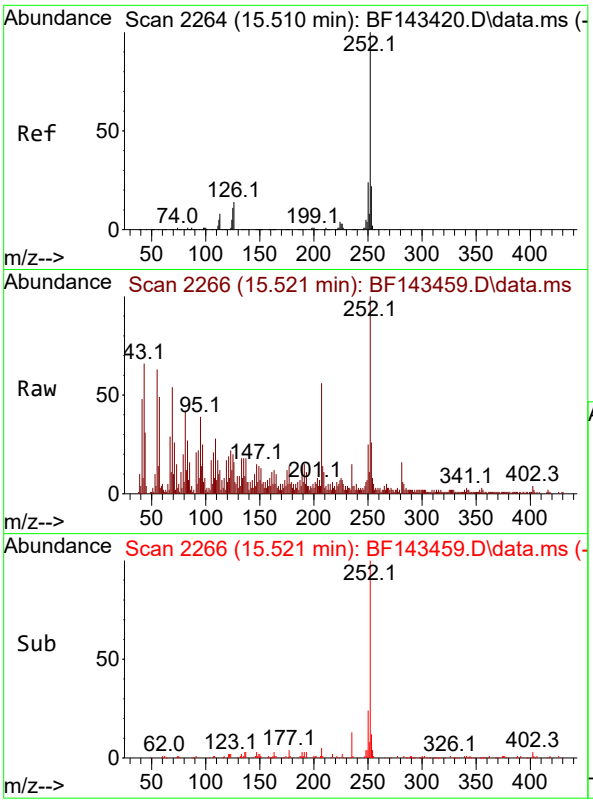


#89
Benzo(k)fluoranthene
Concen: 2.390 ng m
RT: 15.162 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion:252 Resp: 21676

Ion	Ratio	Lower	Upper
252	100		
253	27.9	17.2	25.8#
125	38.1	7.4	11.2#

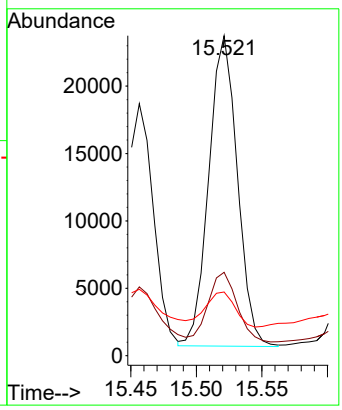




#90
Benzo(a)pyrene
Concen: 3.980 ng
RT: 15.521 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion:252 Resp: 3486

Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.4	26.2
125	19.9	8.6	12.8#



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

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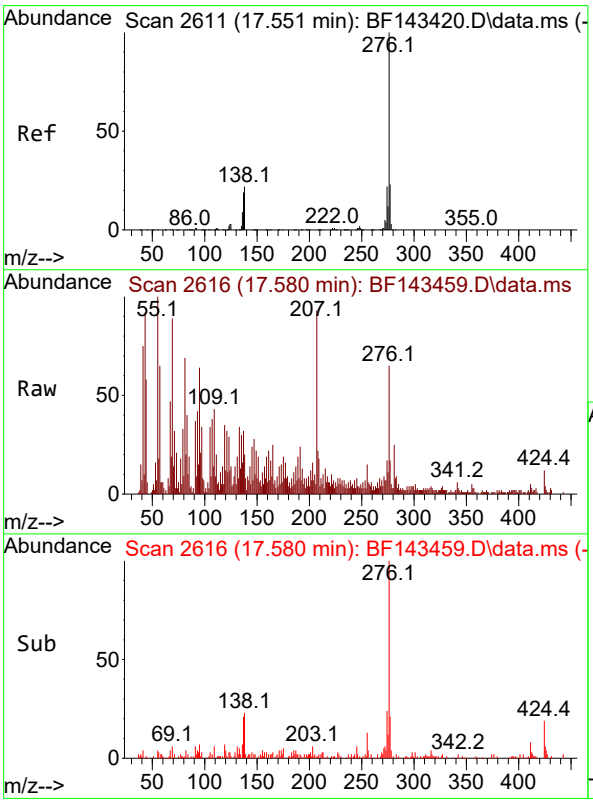
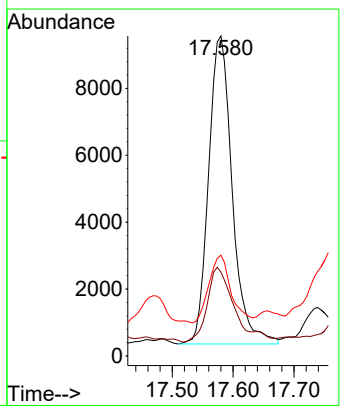


#92
Benzo(g,h,i)perylene
Concen: 2.408 ng
RT: 17.580 min Scan# 2616
Delta R.T. 0.029 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion:276 Resp: 24858

Ion	Ratio	Lower	Upper
276	100		
277	26.2	18.7	28.1
138	31.5	17.5	26.3#



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143459.D
Acq On : 19 Aug 2025 16:24
Operator : RC/JU
Sample : Q2879-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143459.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.240	3	8	18	rVB	769486	1243974	17.29%	2.634%
2	5.157	495	504	512	rBV2	151071	235171	3.27%	0.498%
3	5.569	568	574	586	rBV	1426240	1871553	26.01%	3.963%
4	6.563	738	743	754	rBV	1361352	1863833	25.90%	3.947%
5	6.928	800	805	814	rBV	478567	586091	8.14%	1.241%
6	7.481	894	899	911	rBV	815636	1084666	15.07%	2.297%
7	8.210	1017	1023	1039	rVB	522817	684215	9.51%	1.449%
8	9.280	1199	1205	1210	rBV	1487190	1828687	25.41%	3.873%
9	9.963	1316	1321	1334	rBV	582888	770148	10.70%	1.631%
10	10.669	1437	1441	1447	rVB	129537	165005	2.29%	0.349%
11	10.751	1450	1455	1470	rVB	923664	1226335	17.04%	2.597%
12	10.986	1491	1495	1499	rVB	64052	87489	1.22%	0.185%
13	11.451	1569	1574	1580	rBV2	598992	935603	13.00%	1.981%
14	11.974	1659	1663	1675	rVB	470851	714837	9.93%	1.514%
15	12.145	1689	1692	1701	rVB4	114374	181640	2.52%	0.385%
16	12.592	1763	1768	1774	rBV	185344	286356	3.98%	0.606%
17	12.663	1776	1780	1792	rBV	343478	778994	10.82%	1.650%
18	12.757	1793	1796	1809	rVB2	125815	223749	3.11%	0.474%
19	12.892	1815	1819	1825	rVB	207611	292835	4.07%	0.620%
20	13.033	1837	1843	1850	rBV	1648103	2239434	31.12%	4.743%
21	13.345	1894	1896	1900	rVB2	100497	119883	1.67%	0.254%
22	13.392	1901	1904	1908	rBV	148153	212696	2.96%	0.450%
23	13.468	1913	1917	1921	rVV2	214211	317223	4.41%	0.672%
24	13.921	1991	1994	2005	rVB	604259	1064214	14.79%	2.254%
25	14.092	2019	2023	2030	rVB2	537928	813986	11.31%	1.724%
26	14.551	2096	2101	2108	rBV2	774583	1263185	17.55%	2.675%
27	14.939	2163	2167	2174	rVB	582320	813547	11.30%	1.723%
28	15.098	2190	2194	2198	rBV	183899	288520	4.01%	0.611%
29	15.209	2208	2213	2225	rVB	1855619	3067429	42.62%	6.496%
30	15.586	2273	2277	2291	rVB2	328636	577237	8.02%	1.222%
31	15.939	2334	2337	2348	rVB	243090	441542	6.14%	0.935%
32	16.051	2350	2356	2361	rVB	1146554	1953201	27.14%	4.136%
33	16.333	2399	2404	2416	rVB2	524263	1149353	15.97%	2.434%
34	17.468	2592	2597	2609	rVB5	339541	940547	13.07%	1.992%
35	17.780	2635	2650	2658	rBV4	1801997	7196392	100.00%	15.240%
36	17.950	2674	2679	2687	rVB	472435	1077044	14.97%	2.281%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143459.D
Acq On : 19 Aug 2025 16:24
Operator : RC/JU
Sample : Q2879-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.215	2717	2724	2735	rBV	965175	2992082	41.58%	6.336%
38	18.586	2777	2787	2805	rBV3	844142	4641423	64.50%	9.829%
39	18.733	2806	2812	2818	rBV2	381251	989995	13.76%	2.097%

Sum of corrected areas: 47220114

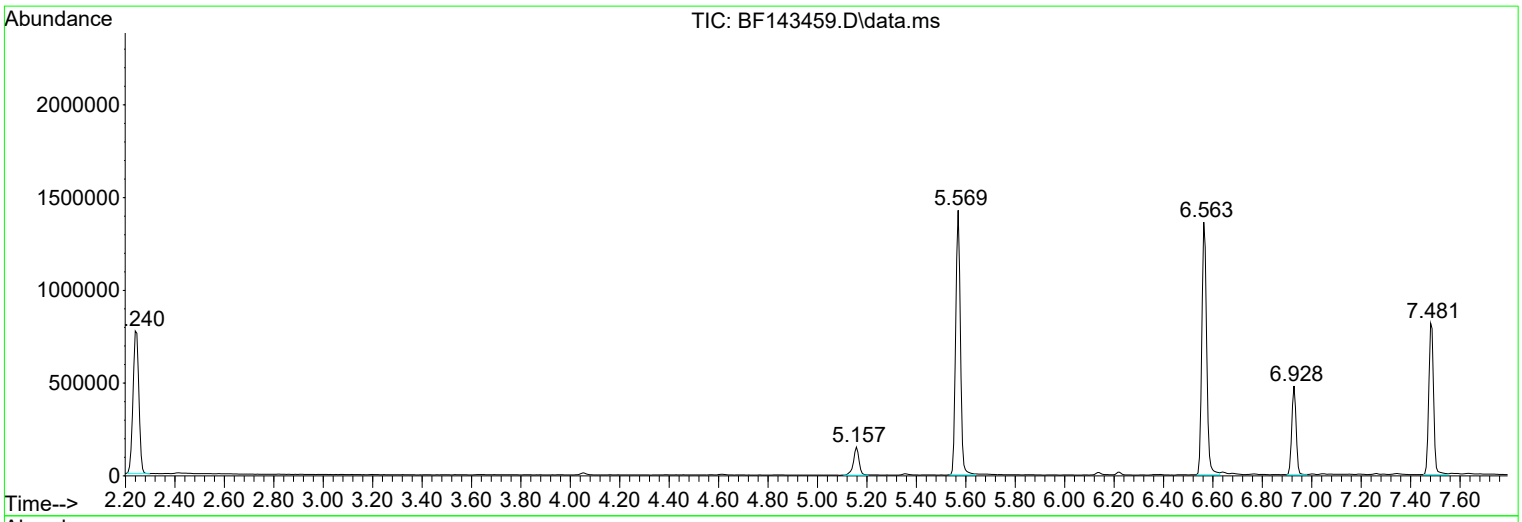
Sample Results: **BF143459.D**

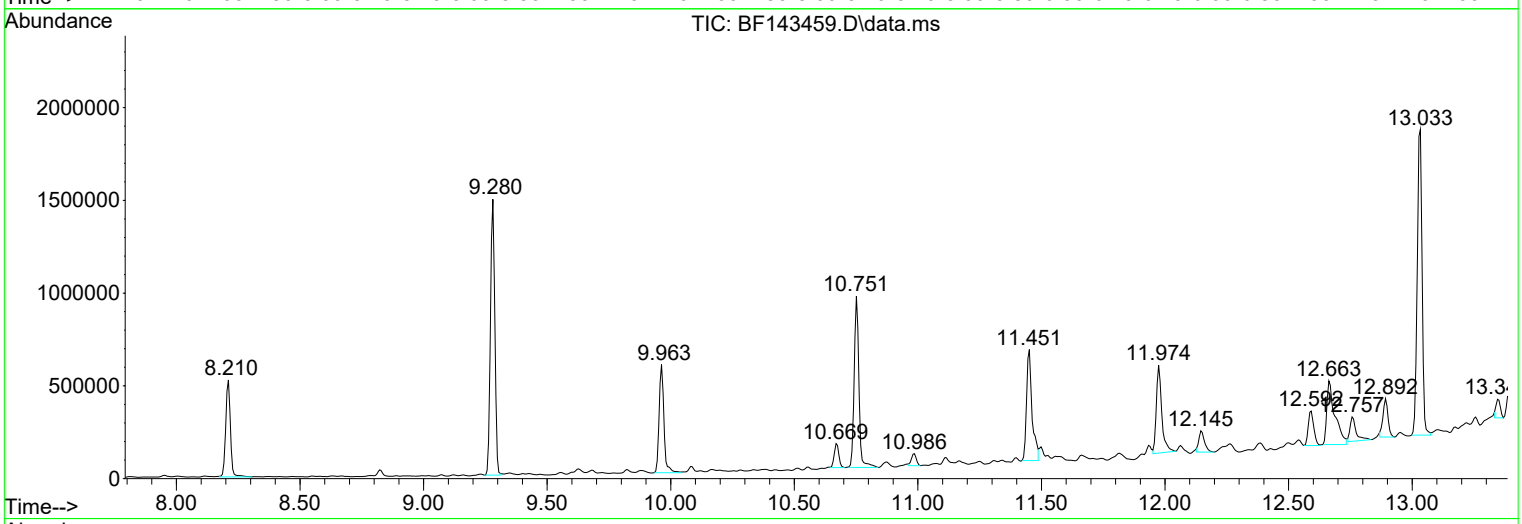
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143459.D
Acq On : 19 Aug 2025 16:24
Operator : RC/JU
Sample : Q2879-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

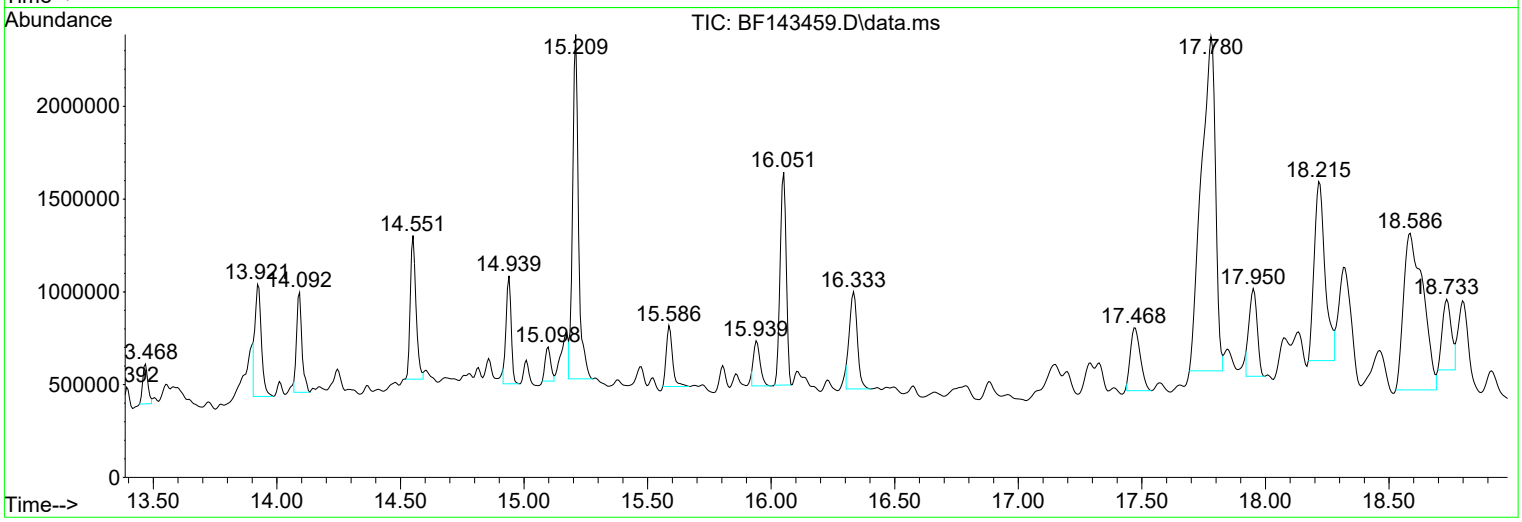
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143459.D
Acq On : 19 Aug 2025 16:24
Operator : RC/JU
Sample : Q2879-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143459.D
Acq On : 19 Aug 2025 16:24
Operator : RC/JU
Sample : Q2879-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF081525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Aug 18 04:40:19 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF143416.D 5 =BF143417.D 10 =BF143418.D 20 =BF143419.D 40 =BF143420.D 50 =BF143421.D 60 =BF143422.D 80 =BF1434
23.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.557	0.560	0.568	0.564	0.536	0.551	0.542	0.554	2.10
3)		Pyridine		1.356	1.375	1.488	1.487	1.463	1.515	1.484	1.453	4.25
4)		n-Nitrosodimet...			0.641	0.669	0.680	0.674	0.690	0.696	0.675	2.88
5)	S	2-Fluorophenol		1.192	1.169	1.228	1.147	1.101	1.143	1.072	1.151	4.58
6)		Aniline		2.064	1.981	2.086	1.984	1.904	1.944	1.816	1.968	4.70
7)	S	Phenol-d6		1.573	1.494	1.536	1.414	1.383	1.414	1.336	1.450	5.94
8)		2-Chlorophenol		1.322	1.290	1.348	1.252	1.210	1.258	1.212	1.270	4.14
9)		Benzaldehyde			1.043	1.069	0.734	0.637	0.640	0.504	0.771	30.13
10)	C	Phenol		1.785	1.746	1.821	1.698	1.623	1.666	1.505	1.692	6.34
11)		bis(2-Chloroet...		1.326	1.264	1.308	1.236	1.207	1.234	1.205	1.254	3.78
12)		1,3-Dichlorobe...		1.565	1.479	1.502	1.395	1.333	1.385	1.301	1.423	6.72
13)	C	1,4-Dichlorobe...		1.542	1.482	1.493	1.397	1.355	1.378	1.296	1.421	6.16
14)		1,2-Dichlorobe...		1.484	1.421	1.431	1.325	1.286	1.310	1.241	1.357	6.54
15)		Benzyl Alcohol			1.030	1.110	1.079	1.059	1.080	1.057	1.069	2.52
16)		2,2'-oxybis(1-...		2.414	2.259	2.291	2.096	2.014	2.066	1.869	2.144	8.70
17)		2-Methylphenol		1.104	1.036	1.080	1.025	0.989	1.035	0.985	1.036	4.22
18)		Hexachloroethane		0.514	0.484	0.513	0.478	0.461	0.478	0.456	0.484	4.69
19)	P	n-Nitroso-di-n...	0.964	0.986	0.939	0.942	0.863	0.831	0.852	0.804	0.898	7.57
20)		3+4-Methylphenols			1.321	1.391	1.241	1.167	1.214	1.098	1.239	8.49
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.501	0.459	0.462	0.419	0.395	0.406	0.369	0.430	10.66
23)	S	Nitrobenzene-d5		0.350	0.333	0.352	0.339	0.330	0.339	0.317	0.337	3.56
24)		Nitrobenzene		0.359	0.347	0.372	0.357	0.345	0.354	0.332	0.352	3.63
25)		Isophorone		0.693	0.642	0.671	0.634	0.615	0.645	0.616	0.645	4.37
26)	C	2-Nitrophenol		0.141	0.149	0.170	0.170	0.170	0.176	0.168	0.163	7.98
27)		2,4-Dimethylph...		0.296	0.286	0.301	0.270	0.262	0.269	0.249	0.276	6.80
28)		bis(2-Chloroet...		0.441	0.404	0.413	0.390	0.374	0.392	0.362	0.397	6.60
29)	C	2,4-Dichloroph...		0.292	0.281	0.301	0.281	0.271	0.284	0.260	0.281	4.72
30)		1,2,4-Trichlor...		0.318	0.298	0.304	0.283	0.274	0.282	0.260	0.288	6.76
31)		Naphthalene		1.067	0.987	1.013	0.941	0.891	0.921	0.827	0.950	8.44
32)		Benzoic acid			0.114	0.141	0.143	0.146	0.157	0.161	0.144	11.66
33)		4-Chloroaniline		0.355	0.352	0.362	0.344	0.331	0.343	0.313	0.343	4.86
34)	C	Hexachlorobuta...		0.200	0.185	0.192	0.184	0.174	0.182	0.170	0.184	5.50
35)		Caprolactam			0.077	0.084	0.080	0.080	0.087	0.078	0.081	4.78
36)	C	4-Chloro-3-met...		0.308	0.290	0.301	0.288	0.282	0.294	0.266	0.290	4.74
37)		2-Methylnaphth...		0.737	0.678	0.687	0.625	0.592	0.616	0.544	0.640	10.16
38)		1-Methylnaphth...		0.704	0.650	0.662	0.597	0.572	0.584	0.524	0.613	10.04

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF081525.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.611	0.587	0.585	0.549	0.532	0.540	0.501	0.558	6.82
41)	P	Hexachlorocycl...		0.089	0.140	0.179	0.192	0.190	0.213	0.167	27.09
42)	S	2,4,6-Tribromo...	0.184	0.176	0.186	0.177	0.171	0.185	0.167	0.178	4.15
43)	C	2,4,6-Trichlor...	0.345	0.341	0.363	0.353	0.341	0.354	0.338	0.348	2.63
44)		2,4,5-Trichlor...	0.378	0.358	0.395	0.378	0.370	0.377	0.355	0.373	3.64
45)	S	2-Fluorobiphenyl	1.445	1.340	1.291	1.132	1.074	1.082	0.960	1.189	14.52
46)		1,1'-Biphenyl	1.568	1.524	1.502	1.375	1.316	1.331	1.221	1.405	9.12
47)		2-Chloronaphth...	1.225	1.174	1.179	1.083	1.049	1.068	0.987	1.109	7.65
48)		2-Nitroaniline	0.313	0.317	0.343	0.336	0.332	0.348	0.323	0.330	4.01
49)		Acenaphthylene	1.765	1.680	1.705	1.573	1.519	1.555	1.415	1.602	7.56
50)		Dimethylphthalate	1.371	1.293	1.305	1.210	1.179	1.239	1.132	1.247	6.57
51)		2,6-Dinitrotol...	0.223	0.225	0.258	0.252	0.250	0.263	0.250	0.246	6.38
52)	C	Acenaphthene	1.202	1.126	1.143	1.043	1.019	1.057	0.950	1.077	7.92
53)		3-Nitroaniline	0.254	0.261	0.283	0.283	0.274	0.293	0.268	0.274	4.96
54)	P	2,4-Dinitrophenol		0.059	0.087	0.096	0.102	0.117	0.118	0.097	22.78
55)		Dibenzofuran	1.754	1.669	1.662	1.516	1.447	1.497	1.333	1.554	9.47
56)	P	4-Nitrophenol		0.131	0.170	0.179	0.178	0.196	0.179	0.172	12.64
57)		2,4-Dinitrotol...	0.293	0.308	0.347	0.334	0.328	0.363	0.322	0.328	7.15
58)		Fluorene	1.415	1.318	1.287	1.133	1.080	1.136	0.987	1.194	12.61
59)		2,3,4,6-Tetrac...	0.260	0.265	0.293	0.297	0.283	0.307	0.270	0.282	6.22
60)		Diethylphthalate	1.308	1.233	1.217	1.108	1.055	1.150	0.994	1.152	9.47
61)		4-Chlorophenyl...	0.669	0.633	0.622	0.574	0.551	0.573	0.508	0.590	9.25
62)		4-Nitroaniline	0.237	0.255	0.271	0.261	0.247	0.283	0.240	0.256	6.48
63)		Azobenzene	1.301	1.211	1.229	1.137	1.094	1.158	1.023	1.165	7.89
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.073	0.096	0.107	0.107	0.117	0.118	0.103	16.32
66)	c	n-Nitrosodiphe...	0.707	0.667	0.676	0.645	0.624	0.623	0.609	0.650	5.40
67)		4-Bromophenyl-...	0.248	0.234	0.243	0.236	0.232	0.231	0.230	0.236	2.92
68)		Hexachlorobenzene	0.276	0.252	0.259	0.244	0.242	0.244	0.240	0.251	5.10
69)		Atrazine	0.188	0.189	0.197	0.190	0.185	0.201	0.181	0.190	3.67
70)	C	Pentachlorophenol		0.077	0.106	0.114	0.117	0.123	0.125	0.110	15.80
71)		Phenanthrene	1.238	1.155	1.132	1.060	1.008	1.034	0.955	1.083	8.96
72)		Anthracene	1.236	1.159	1.166	1.065	1.024	1.045	0.962	1.094	8.76
73)		Carbazole	1.044	0.995	0.976	0.895	0.849	0.910	0.807	0.925	9.10
74)		Di-n-butylphth...	0.965	0.959	0.970	0.892	0.851	0.975	0.837	0.921	6.49
75)	C	Fluoranthene	1.128	1.083	1.026	0.893	0.844	0.955	0.807	0.962	12.67
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.637	0.749	0.567	0.492	0.541		0.597	16.71
78)		Pyrene	1.958	1.822	1.950	1.698	1.596	1.805	1.339	1.738	12.55
79)	S	Terphenyl-d14	1.415	1.276	1.329	1.147	1.057	1.212	0.899	1.191	14.61
80)		Butylbenzylpht...	0.352	0.372	0.446	0.459	0.450	0.487	0.448	0.431	11.36
81)		Benzo(a)anthra...	1.312	1.276	1.318	1.254	1.212	1.330	1.211	1.273	3.89
82)		3,3'-Dichlorob...		0.304	0.382	0.393	0.386	0.385	0.386	0.373	9.08
83)		Chrysene	1.240	1.186	1.240	1.194	1.156	1.138	1.087	1.177	4.71
84)		Bis(2-ethylhex...	0.500	0.492	0.624	0.668	0.685	0.649	0.662	0.611	13.23
85)	c	Di-n-octyl pht...		0.919	1.209	1.330	1.379	1.286	1.318	1.240	13.47

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF081525.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.559	1.533	1.569	1.495	1.465	1.503	1.374	1.500	4.44
88)		Benzo(b)fluora...	1.147	1.002	1.158	1.090	1.030	1.042	1.036	1.072	5.66
89)		Benzo(k)fluora...	1.084	1.161	1.022	1.052	1.022	1.081	0.978	1.057	5.60
90)	C	Benzo(a)pyrene	1.005	1.017	1.054	1.043	1.009	1.042	0.976	1.021	2.68
91)		Dibenzo(a,h)an...	1.227	1.253	1.275	1.203	1.169	1.209	1.095	1.204	4.92
92)		Benzo(g,h,i)pe...	1.236	1.219	1.257	1.207	1.179	1.214	1.111	1.203	3.94

(#) = Out of Range

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143416.D
Acq On : 15 Aug 2025 14:29
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 15 18:24:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

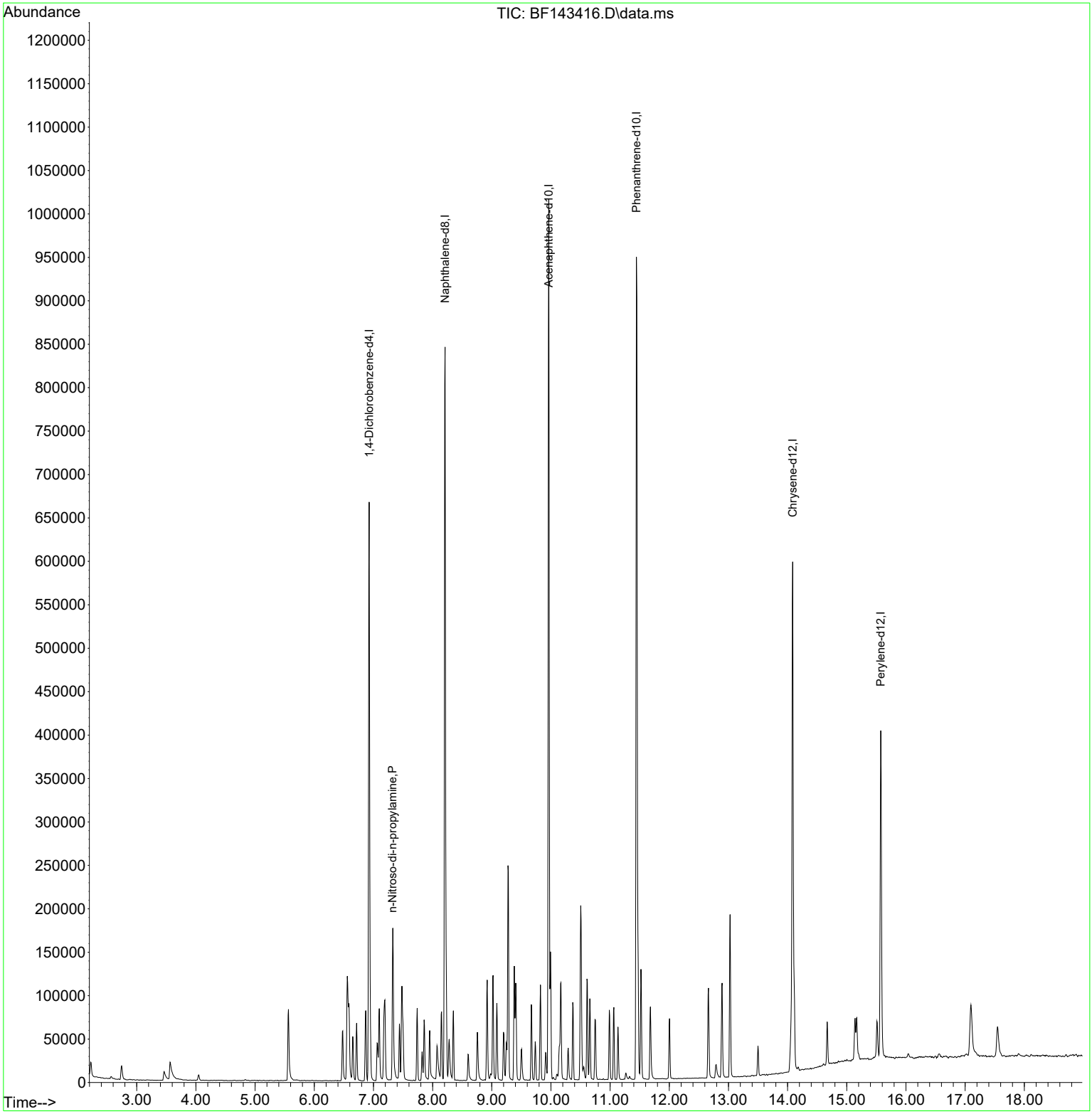
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	137517	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	527812	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	297167	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	489144	20.000	ng	0.00
76) Chrysene-d12	14.086	240	273482	20.000	ng	0.00
86) Perylene-d12	15.574	264	231757	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.322	70	16577	2.686	ng	98

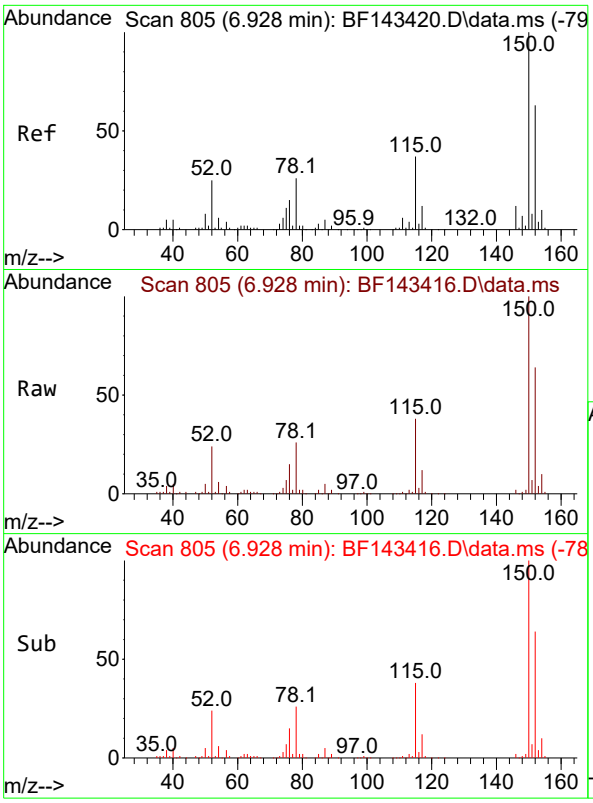
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143416.D
Acq On : 15 Aug 2025 14:29
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 15 18:24:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration



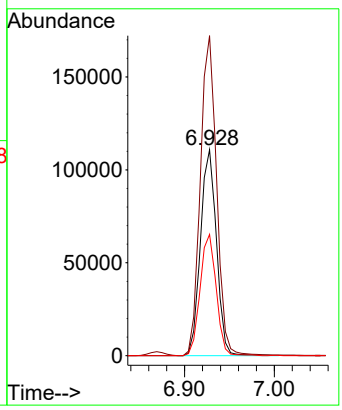


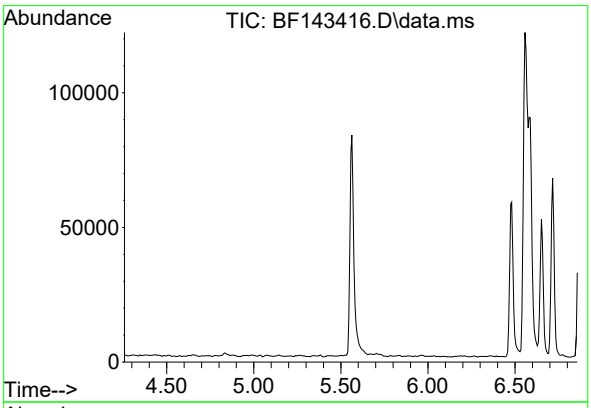
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143416.D
Acq: 15 Aug 2025 14:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 137517

Ion	Ratio	Lower	Upper
152	100		
150	155.4	127.4	191.2
115	58.9	47.5	71.3



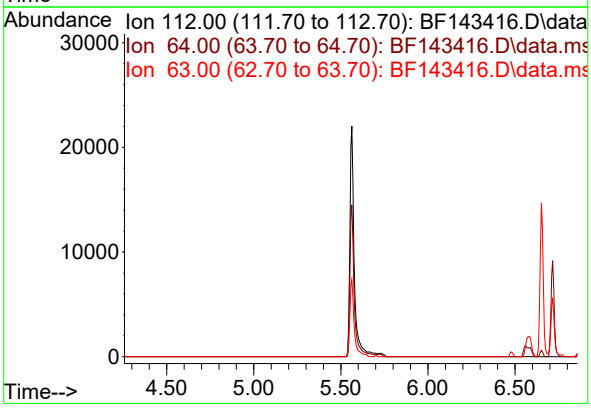


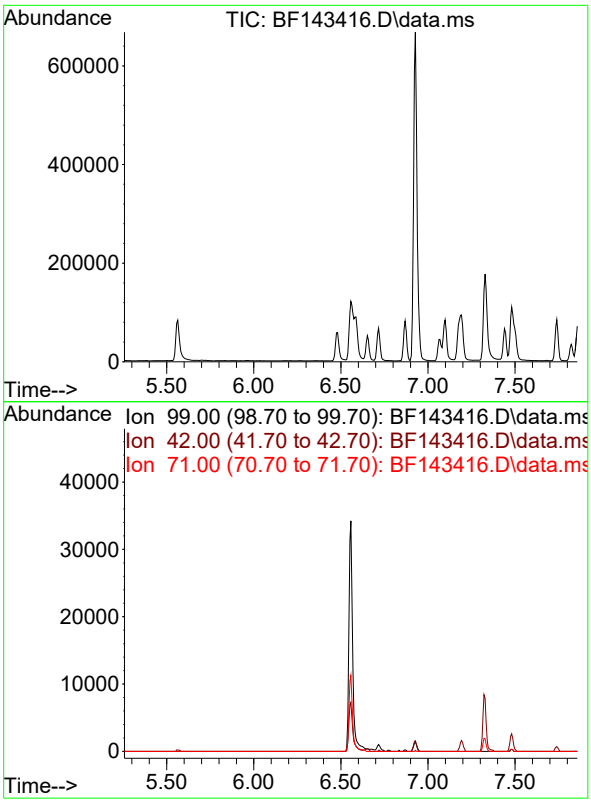
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.56 min

Lab File: BF143416.D
Acq: 15 Aug 2025 14:29

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	65.2
63	33.8





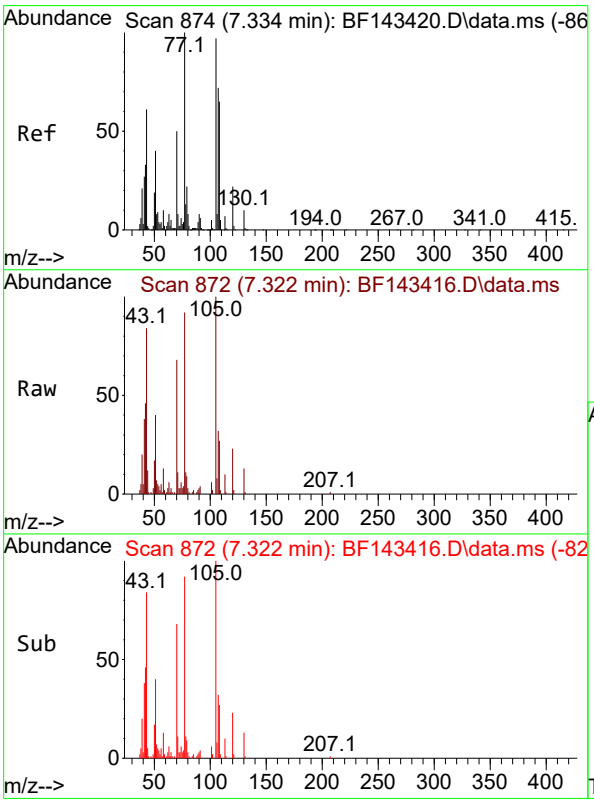
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.56 min

Lab File: BF143416.D
Acq: 15 Aug 2025 14:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

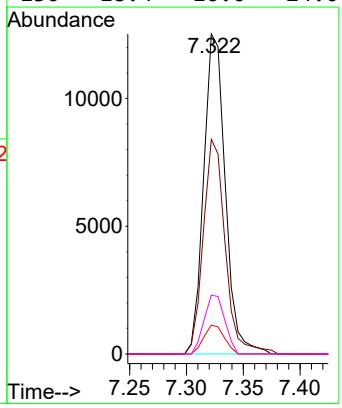
Sig	Exp Ratio
99	100
42	21.3
71	34.3

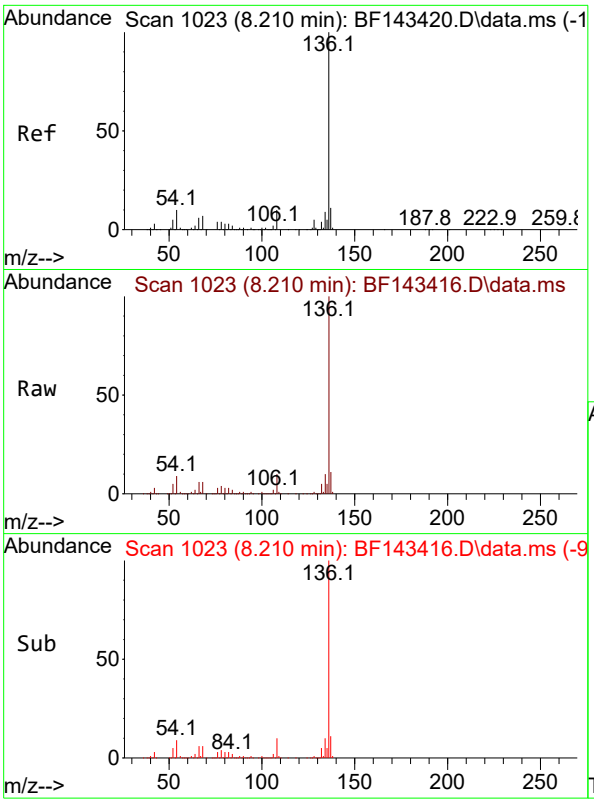


#19
n-Nitroso-di-n-propylamine
Concen: 2.686 ng
RT: 7.322 min Scan# 872
Delta R.T. -0.012 min
Lab File: BF143416.D
Acq: 15 Aug 2025 14:29

Tgt Ion: 70 Resp: 16577

Ion	Ratio	Lower	Upper
70	100		
42	67.1	52.5	78.7
101	9.0	7.9	11.9
130	18.4	16.0	24.0



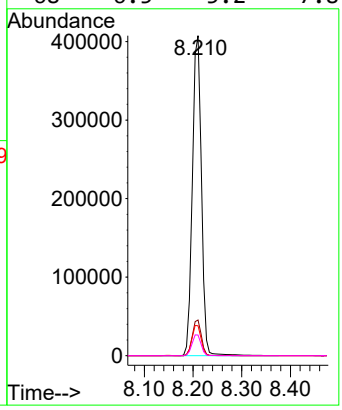


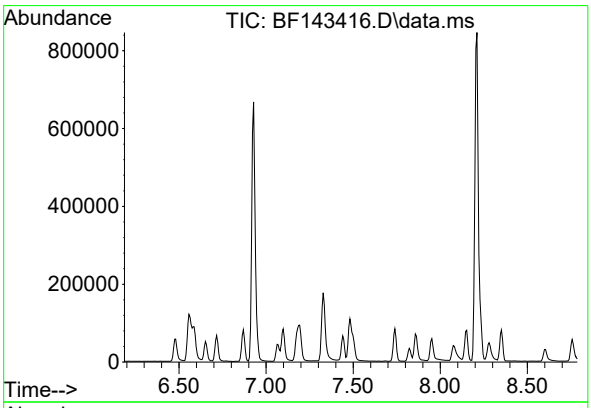
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143416.D
Acq: 15 Aug 2025 14:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 527812

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	9.4	7.8	11.8
68	6.5	5.2	7.8



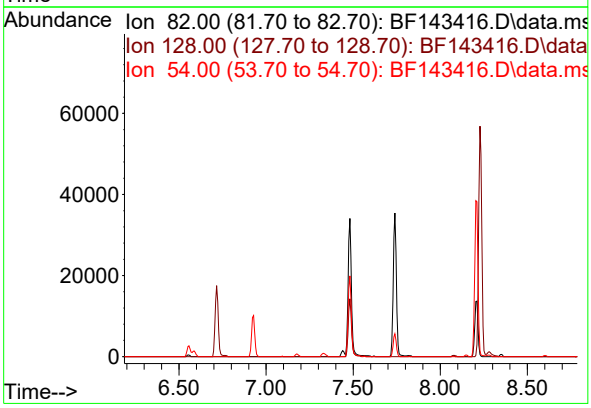


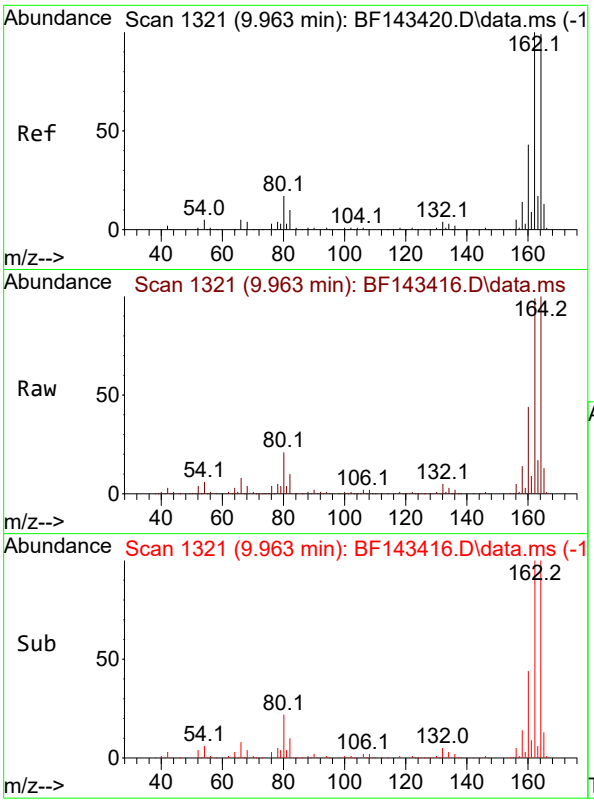
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.49 min

Lab File: BF143416.D
Acq: 15 Aug 2025 14:29

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	43.3
54	57.5



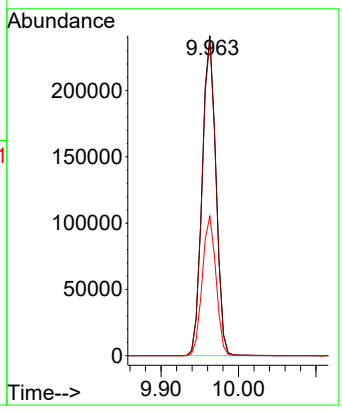


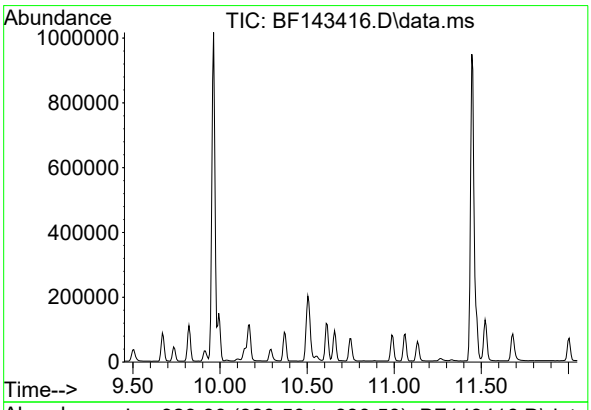
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143416.D
Acq: 15 Aug 2025 14:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 297167

Ion	Ratio	Lower	Upper
164	100		
162	98.5	80.6	121.0
160	43.6	34.6	51.8



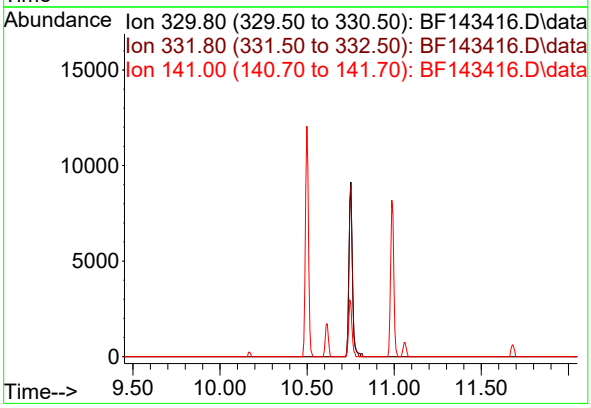


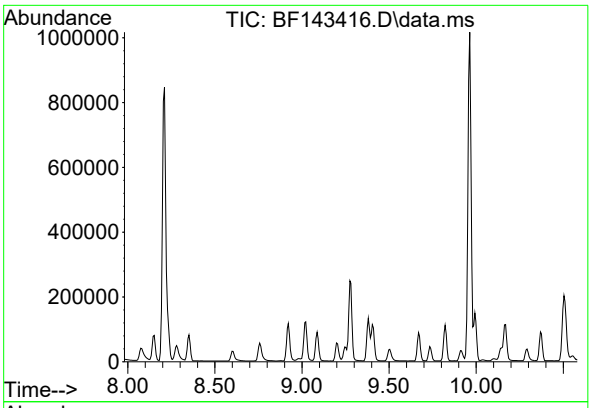
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.75 min

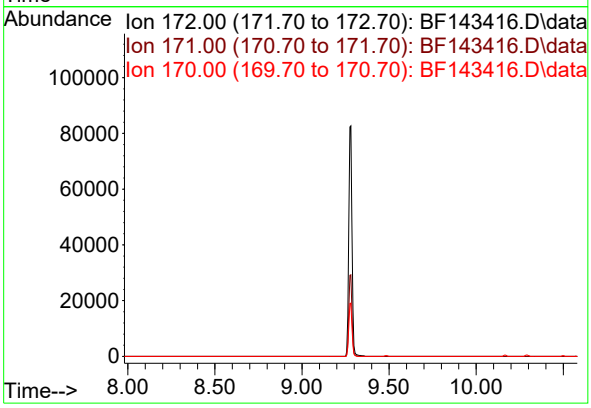
Lab File: BF143416.D
Acq: 15 Aug 2025 14:29

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.8
141	30.1







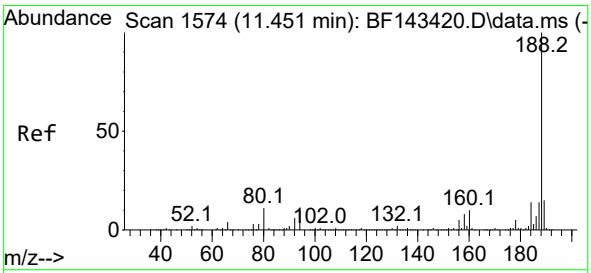
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.28 min

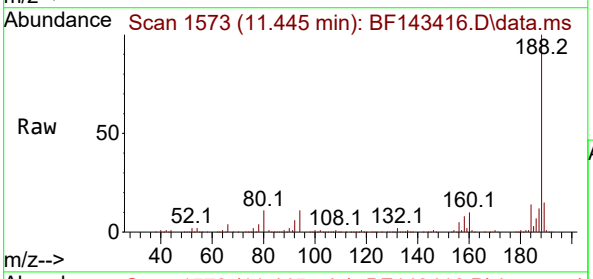
Lab File: BF143416.D
Acq: 15 Aug 2025 14:29

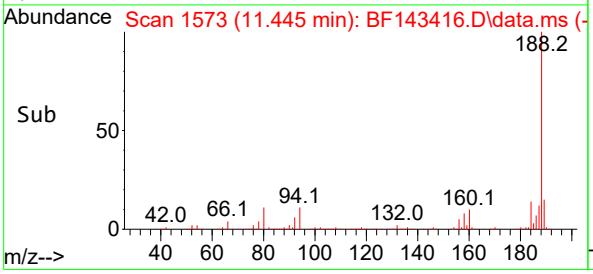
Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

Sig	Exp Ratio
172	100
171	35.9
170	23.8



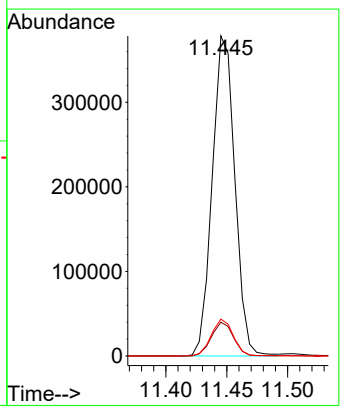


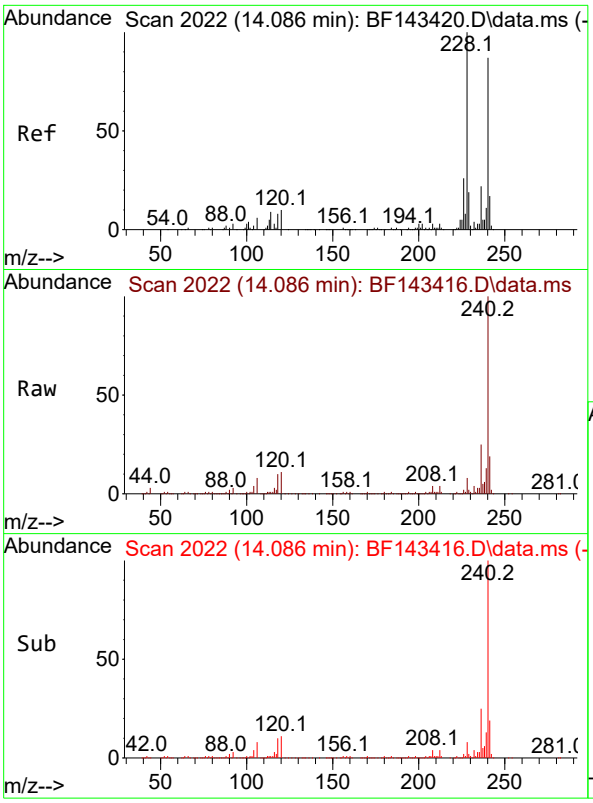


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF143416.D
Acq: 15 Aug 2025 14:29

Tgt Ion:188 Resp: 489144

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.0	12.0
80	11.5	8.6	12.8



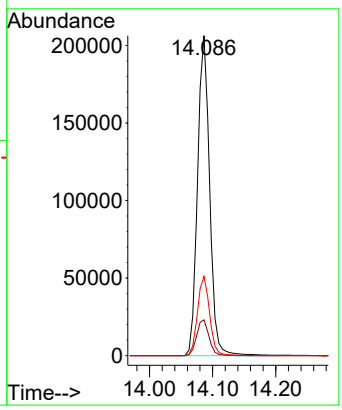


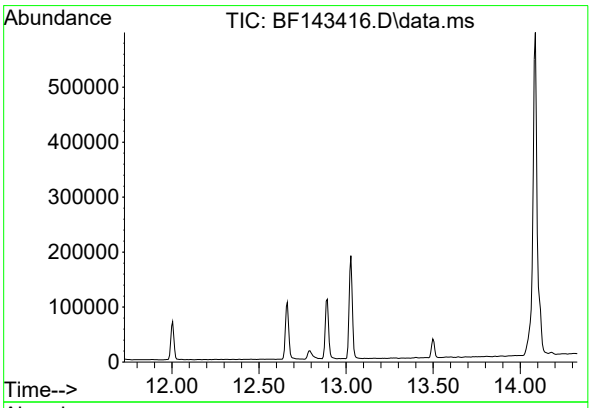
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143416.D
Acq: 15 Aug 2025 14:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 273482

Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.0	13.4
236	24.8	20.2	30.2



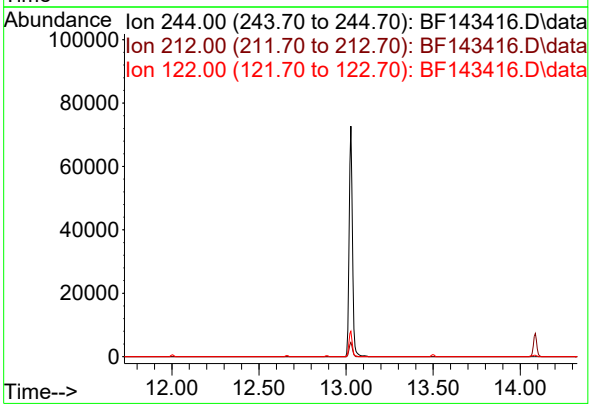


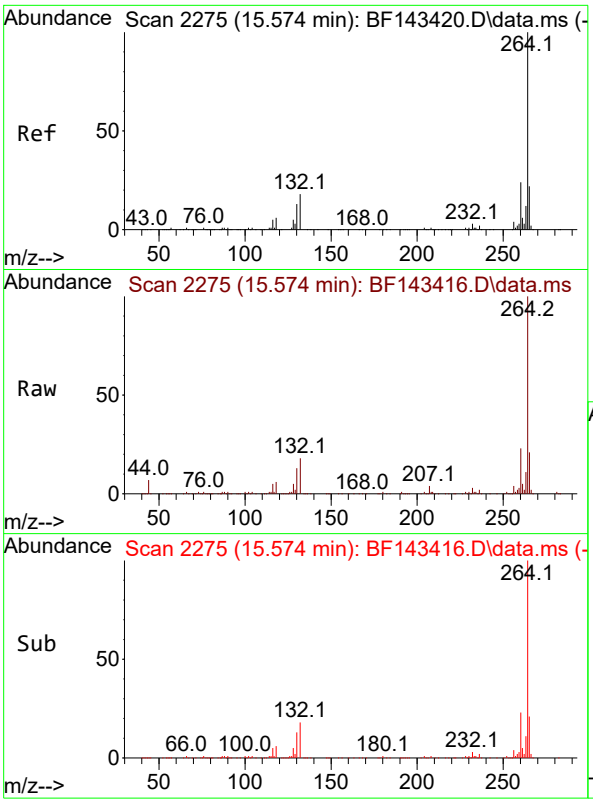
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.03 min

Lab File: BF143416.D
Acq: 15 Aug 2025 14:29

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.5
122	10.4



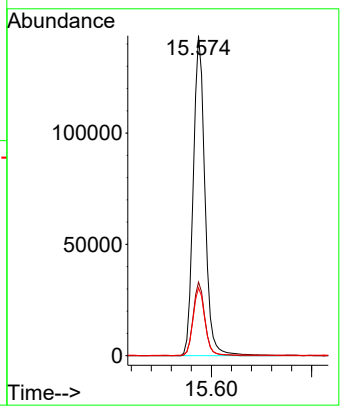


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143416.D
Acq: 15 Aug 2025 14:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 231757

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.8	28.2
265	21.2	17.4	26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143417.D
Acq On : 15 Aug 2025 14:58
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Aug 15 18:25:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	140697	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	547262	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	310490	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	510641	20.000	ng	0.00
76) Chrysene-d12	14.086	240	299111	20.000	ng	0.00
86) Perylene-d12	15.574	264	252550	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	83844	10.359	ng	0.00
7) Phenol-d6	6.551	99	110675	10.850	ng	0.00
23) Nitrobenzene-d5	7.481	82	95780	10.385	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	28555	10.333	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	224285	12.150	ng	0.00
79) Terphenyl-d14	13.027	244	211547	11.881	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.740	88	19576	5.025	ng	97
3) Pyridine	3.540	79	47684	4.667	ng	94
6) Aniline	6.587	93	72592	5.242	ng	96
8) 2-Chlorophenol	6.716	128	46500	5.204	ng	98
10) Phenol	6.569	94	62795	5.276	ng	92
11) bis(2-Chloroethyl)ether	6.651	93	46627	5.285	ng	99
12) 1,3-Dichlorobenzene	6.869	146	55041	5.499	ng	97
13) 1,4-Dichlorobenzene	6.945	146	54237	5.427	ng	99
14) 1,2-Dichlorobenzene	7.098	146	52181	5.467	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.192	45	84900	5.629	ng	98
17) 2-Methylphenol	7.175	107	38840	5.327	ng	99
18) Hexachloroethane	7.439	117	18063	5.310	ng	99
19) n-Nitroso-di-n-propyla...	7.322	70	34674	5.491	ng	97
22) Acetophenone	7.328	105	68582	5.829	ng	97
24) Nitrobenzene	7.498	77	49053	5.089	ng	98
25) Isophorone	7.739	82	94764	5.369	ng	100
26) 2-Nitrophenol	7.822	139	19259	4.310	ng	99
27) 2,4-Dimethylphenol	7.857	122	40460	5.355	ng	99
28) bis(2-Chloroethoxy)met...	7.951	93	60331	5.561	ng	100
29) 2,4-Dichlorophenol	8.069	162	39920	5.183	ng	98
30) 1,2,4-Trichlorobenzene	8.151	180	43443	5.505	ng	98
31) Naphthalene	8.228	128	145941	5.617	ng	100
33) 4-Chloroaniline	8.275	127	48574	5.179	ng	99
34) Hexachlorobutadiene	8.351	225	27343	5.434	ng	96
36) 4-Chloro-3-methylphenol	8.757	107	42152	5.314	ng	100
37) 2-Methylnaphthalene	8.922	142	100864	5.759	ng	97
38) 1-Methylnaphthalene	9.016	142	96256	5.737	ng	100
40) 1,2,4,5-Tetrachloroben...	9.086	216	47429	5.477	ng	99
43) 2,4,6-Trichlorophenol	9.198	196	26801	4.962	ng	100
44) 2,4,5-Trichlorophenol	9.245	196	29354	5.070	ng	99
46) 1,1'-Biphenyl	9.381	154	121744	5.581	ng	99
47) 2-Chloronaphthalene	9.404	162	95062	5.520	ng	97
48) 2-Nitroaniline	9.498	65	24258	4.734	ng	95
49) Acenaphthylene	9.822	152	136971	5.509	ng	99
50) Dimethylphthalate	9.669	163	106442	5.499	ng	100
51) 2,6-Dinitrotoluene	9.733	165	17305	4.535	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143417.D
Acq On : 15 Aug 2025 14:58
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Aug 15 18:25:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

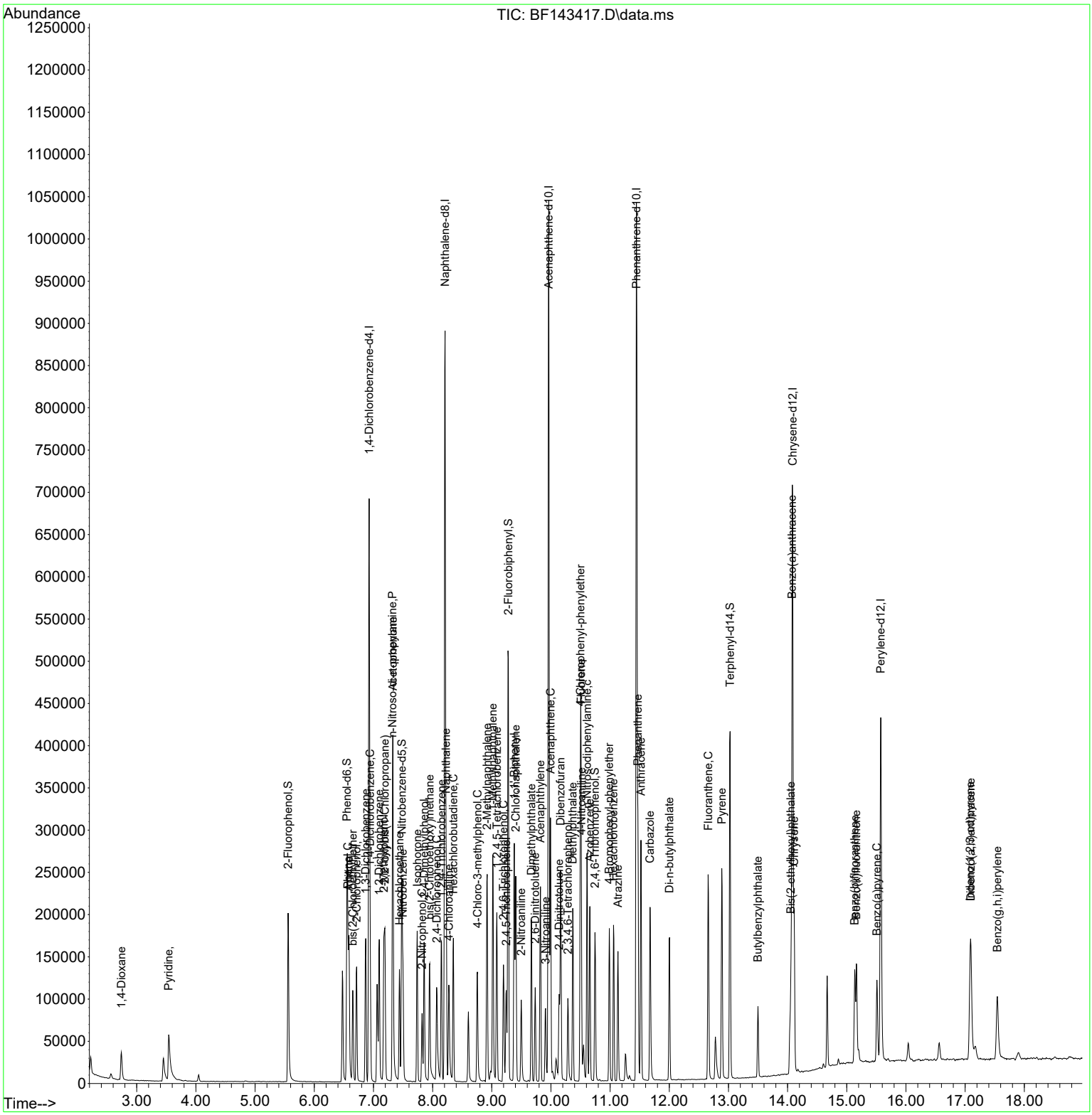
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Acenaphthene	9.992	154	93335	5.581	ng	99
53) 3-Nitroaniline	9.910	138	19743	4.645	ng	98
55) Dibenzofuran	10.163	168	136138	5.643	ng	99
57) 2,4-Dinitrotoluene	10.139	165	22724	4.467	ng	92
58) Fluorene	10.510	166	109812	5.925	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.286	232	20210	4.611	ng	97
60) Diethylphthalate	10.369	149	101540	5.676	ng	100
61) 4-Chlorophenyl-phenyle...	10.498	204	51941	5.669	ng	98
62) 4-Nitroaniline	10.516	138	18371	4.621	ng	93
63) Azobenzene	10.657	77	100999	5.586	ng	99
66) n-Nitrosodiphenylamine	10.610	169	90311	5.439	ng	99
67) 4-Bromophenyl-phenylether	10.986	248	31653	5.249	ng	94
68) Hexachlorobenzene	11.057	284	35216	5.494	ng	95
69) Atrazine	11.133	200	24051	4.952	ng	99
71) Phenanthrene	11.469	178	157990	5.713	ng	99
72) Anthracene	11.522	178	157773	5.649	ng	99
73) Carbazole	11.674	167	133302	5.643	ng	99
74) Di-n-butylphthalate	12.004	149	123223	5.238	ng	100
75) Fluoranthene	12.657	202	144049	5.863	ng	99
78) Pyrene	12.886	202	146451	5.633	ng	99
80) Butylbenzylphthalate	13.498	149	26359	4.093	ng	99
81) Benzo(a)anthracene	14.074	228	98096	5.151	ng	98
83) Chrysene	14.110	228	92720	5.267	ng	98
84) Bis(2-ethylhexyl)phtha...	14.057	149	37419	4.092	ng	99
87) Indeno(1,2,3-cd)pyrene	17.086	276	98443	5.198	ng	98
88) Benzo(b)fluoranthene	15.133	252	72392	5.348	ng	99
89) Benzo(k)fluoranthene	15.162	252	68462	5.128	ng	99
90) Benzo(a)pyrene	15.510	252	63426	4.920	ng	98
91) Dibenzo(a,h)anthracene	17.098	278	77441	5.092	ng	97
92) Benzo(g,h,i)perylene	17.545	276	78027	5.136	ng	99

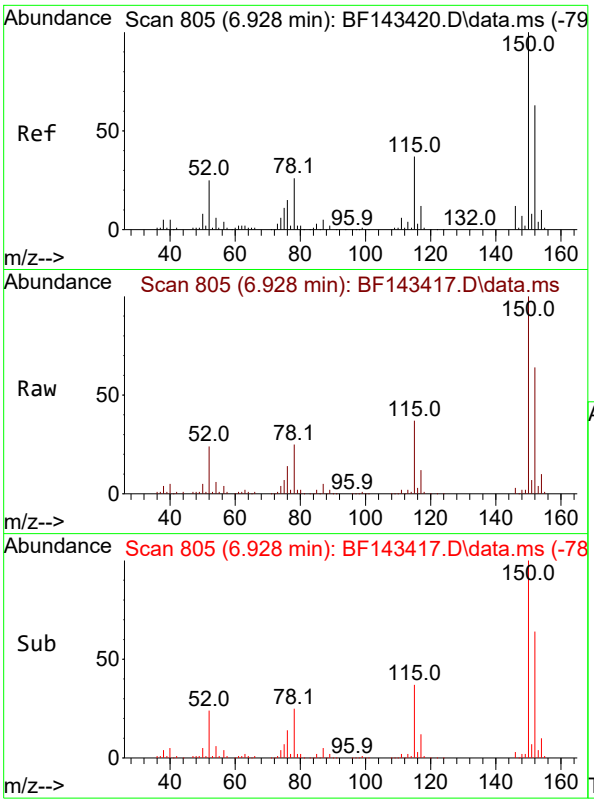
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143417.D
Acq On : 15 Aug 2025 14:58
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Aug 15 18:25:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration



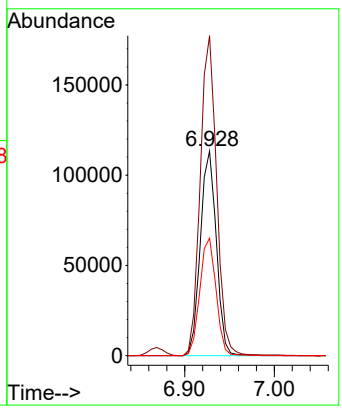


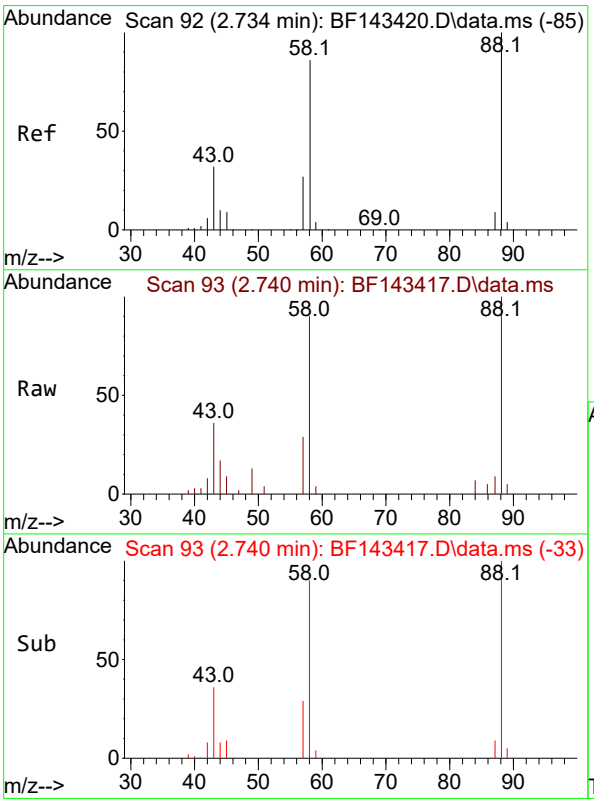
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 140697

Ion	Ratio	Lower	Upper
152	100		
150	156.4	127.4	191.2
115	57.5	47.5	71.3

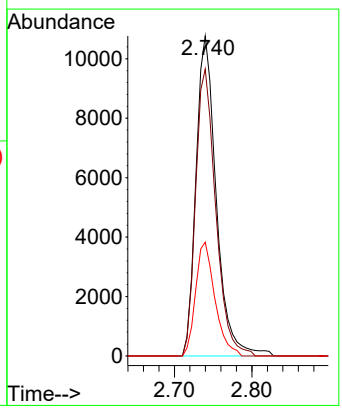


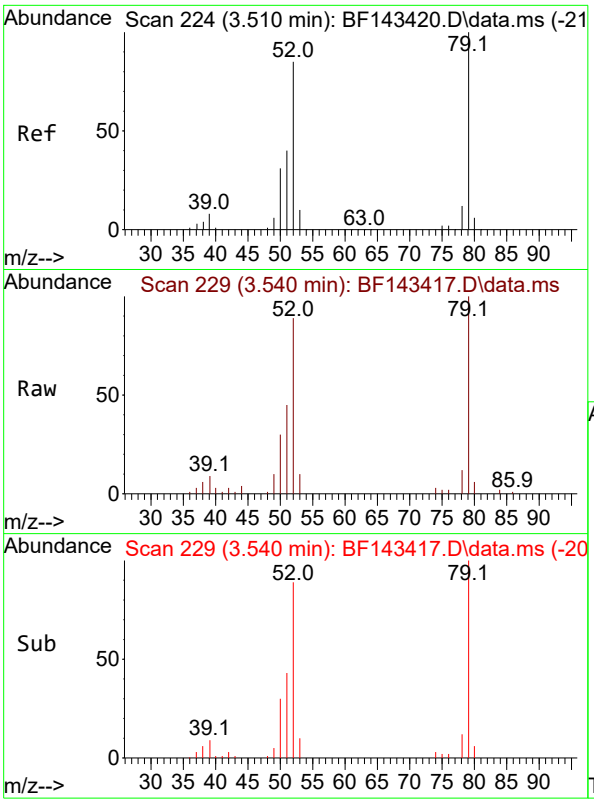


#2
1,4-Dioxane
Concen: 5.025 ng
RT: 2.740 min Scan# 93
Delta R.T. 0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion: 88 Resp: 19576

Ion	Ratio	Lower	Upper
88	100		
58	88.7	68.7	103.1
43	33.9	26.1	39.1



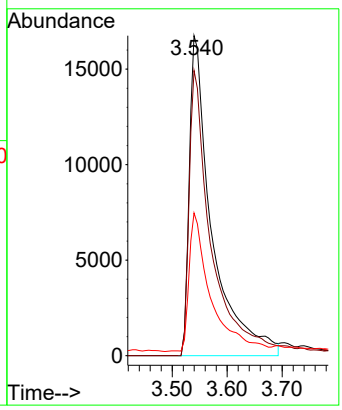


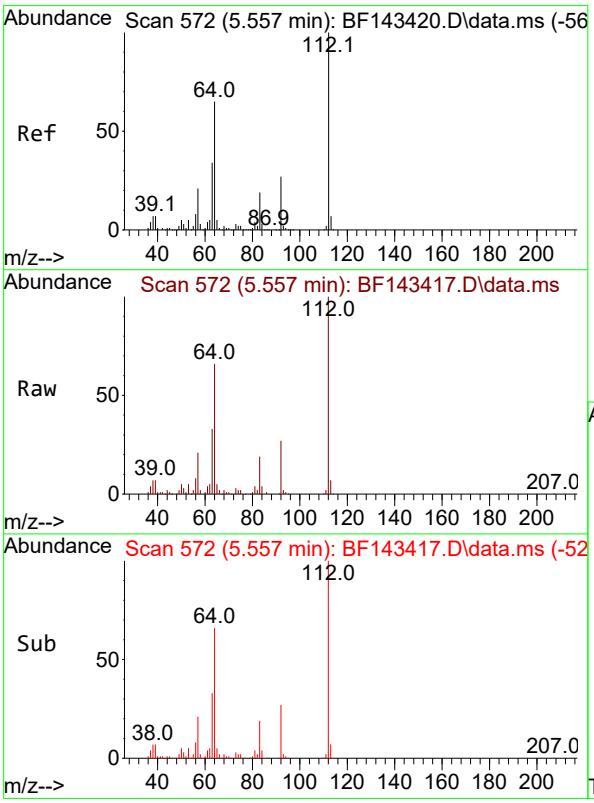
#3
Pyridine
Concen: 4.667 ng
RT: 3.540 min Scan# 2
Delta R.T. 0.029 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 47684

Ion	Ratio	Lower	Upper
79	100		
52	89.1	67.7	101.5
51	44.6	32.3	48.5

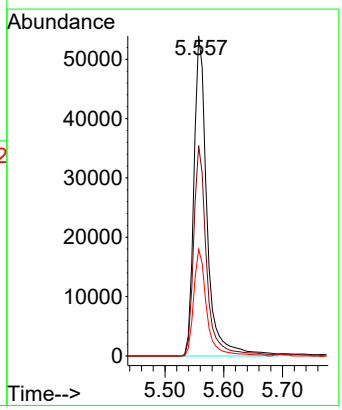


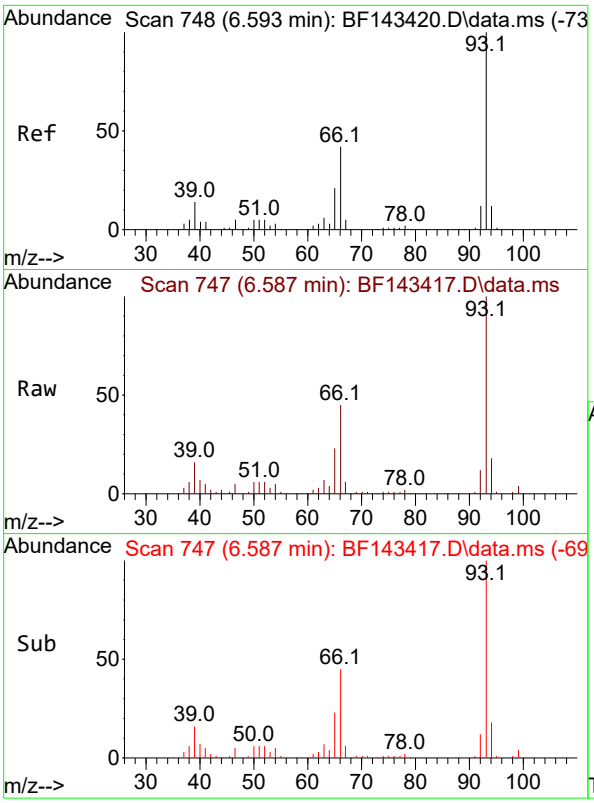


#5
2-Fluorophenol
Concen: 10.359 ng
RT: 5.557 min Scan# 572
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:112 Resp: 83844

Ion	Ratio	Lower	Upper
112	100		
64	65.7	52.2	78.2
63	33.4	27.0	40.6



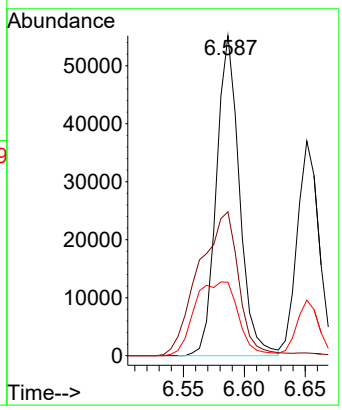


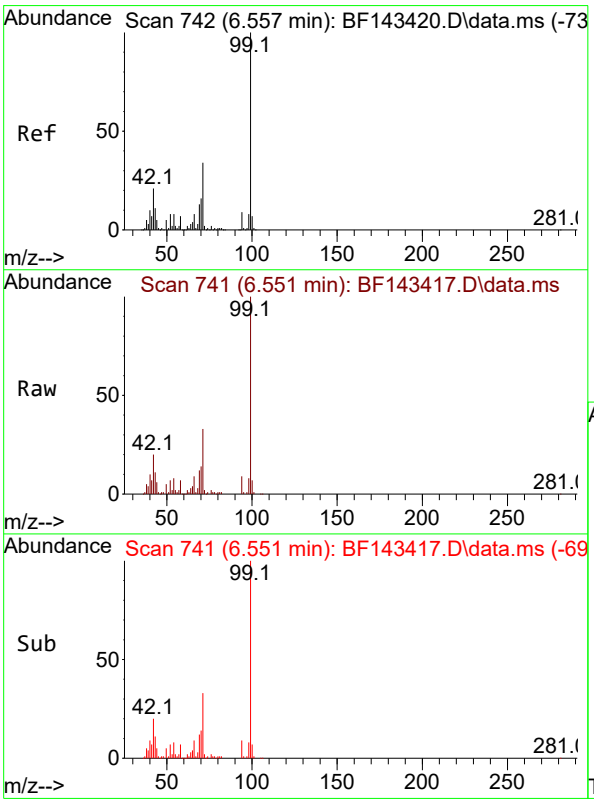
#6
Aniline
Concen: 5.242 ng
RT: 6.587 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 72592

Ion	Ratio	Lower	Upper
93	100		
66	44.9	33.8	50.8
65	22.9	17.2	25.8

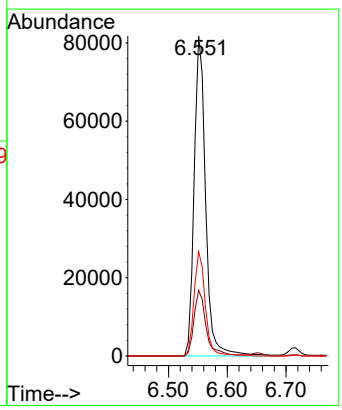


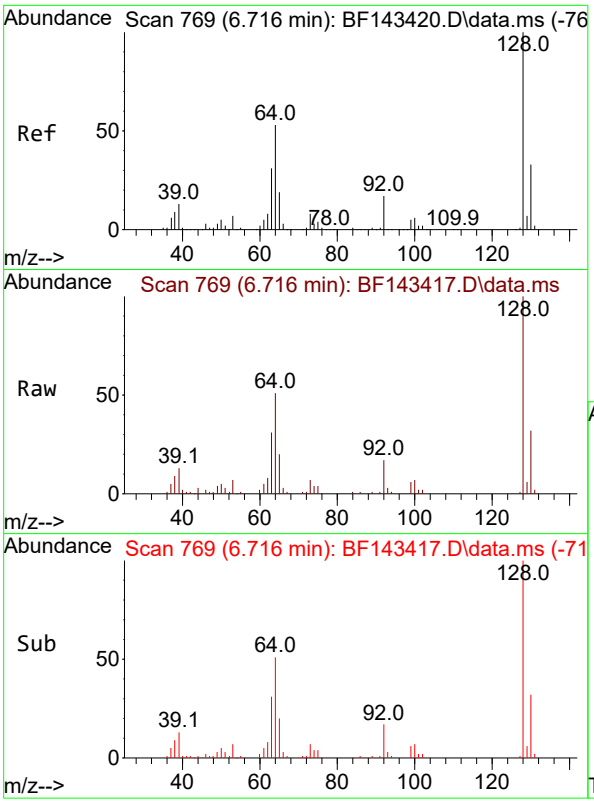


#7
Phenol-d6
Concen: 10.850 ng
RT: 6.551 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion: 99 Resp: 110675

Ion	Ratio	Lower	Upper
99	100		
42	20.5	17.0	25.6
71	32.6	27.4	41.2



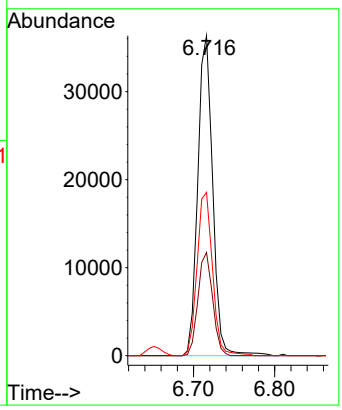


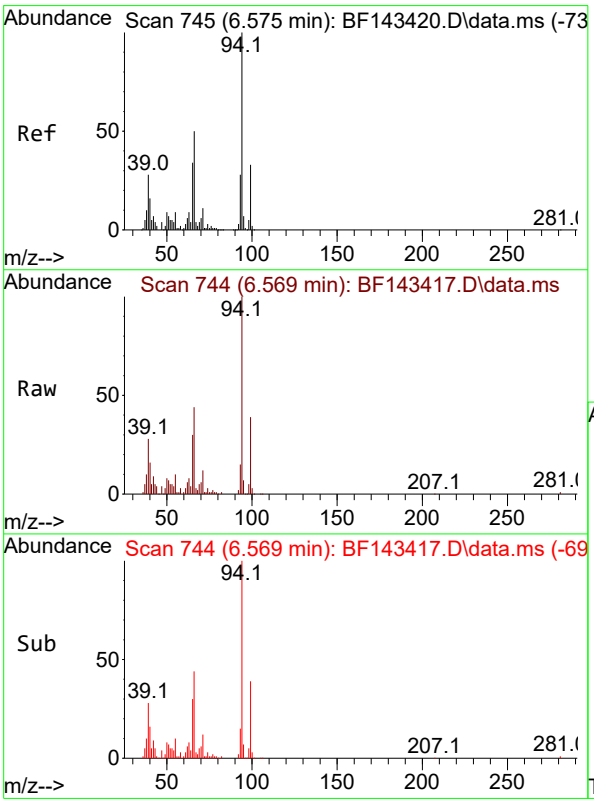
#8
2-Chlorophenol
Concen: 5.204 ng
RT: 6.716 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 46500

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.9	52.9
64	51.0	33.1	73.1

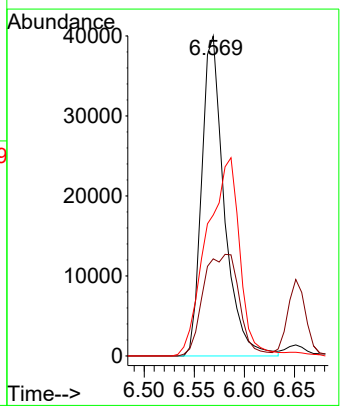


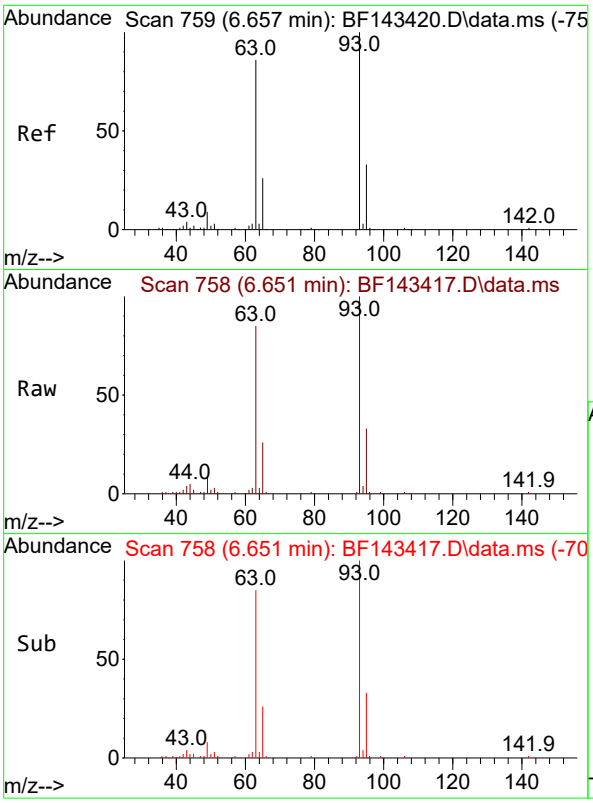


#10
Phenol
Concen: 5.276 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion: 94 Resp: 62795

Ion	Ratio	Lower	Upper
94	100		
65	30.4	13.7	53.7
66	44.0	30.3	70.3



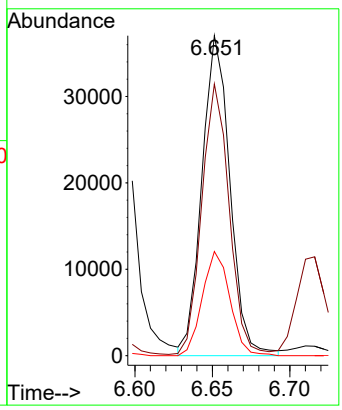


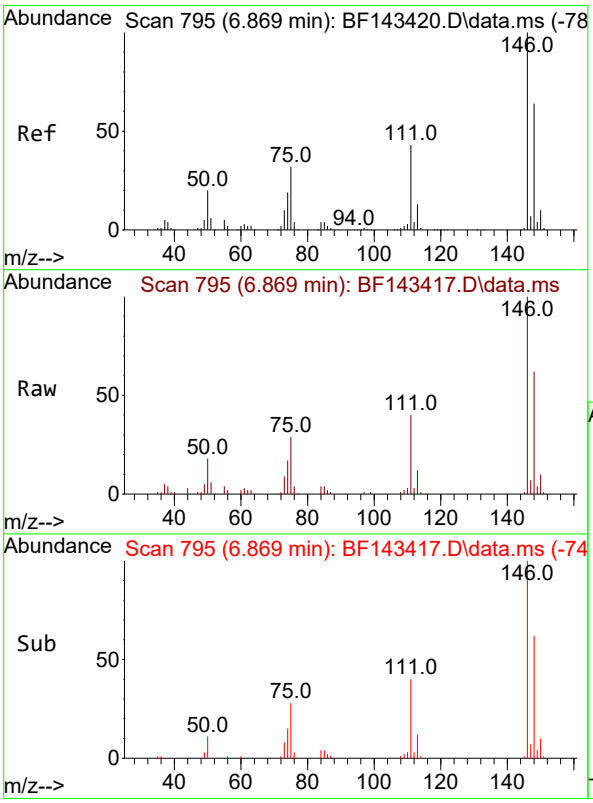
#11
bis(2-Chloroethyl)ether
Concen: 5.285 ng
RT: 6.651 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 46627

Ion	Ratio	Lower	Upper
93	100		
63	84.9	65.4	105.4
95	32.5	12.8	52.8

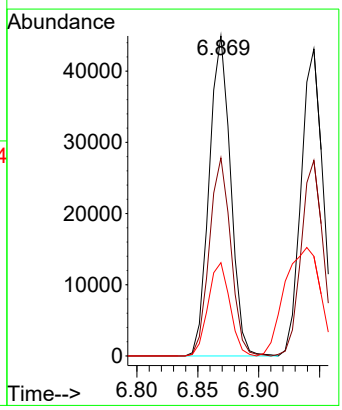


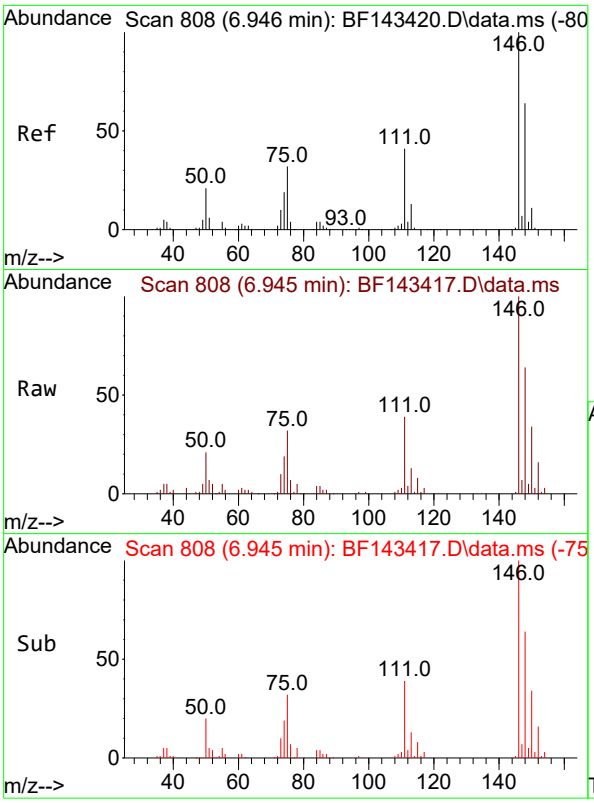


#12
1,3-Dichlorobenzene
Concen: 5.499 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:146 Resp: 55041

Ion	Ratio	Lower	Upper
146	100		
148	61.9	51.0	76.4
75	29.1	25.3	37.9



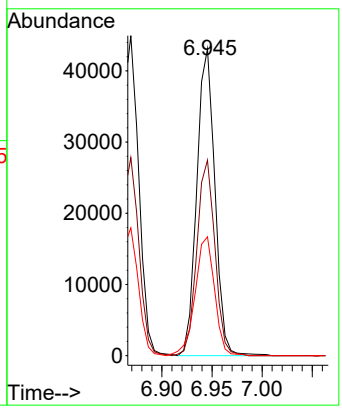


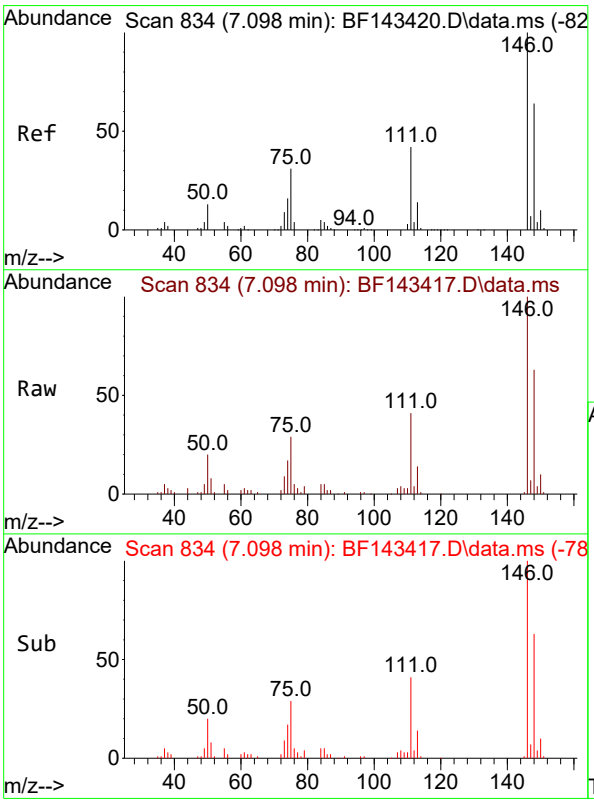
#13
1,4-Dichlorobenzene
Concen: 5.427 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 54237

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.1	76.7
111	38.7	32.5	48.7

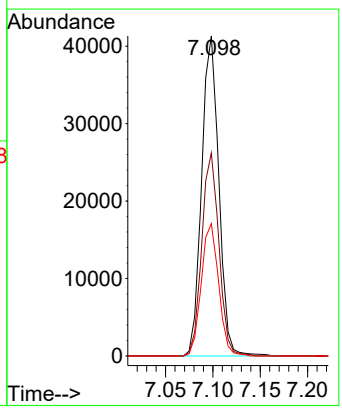


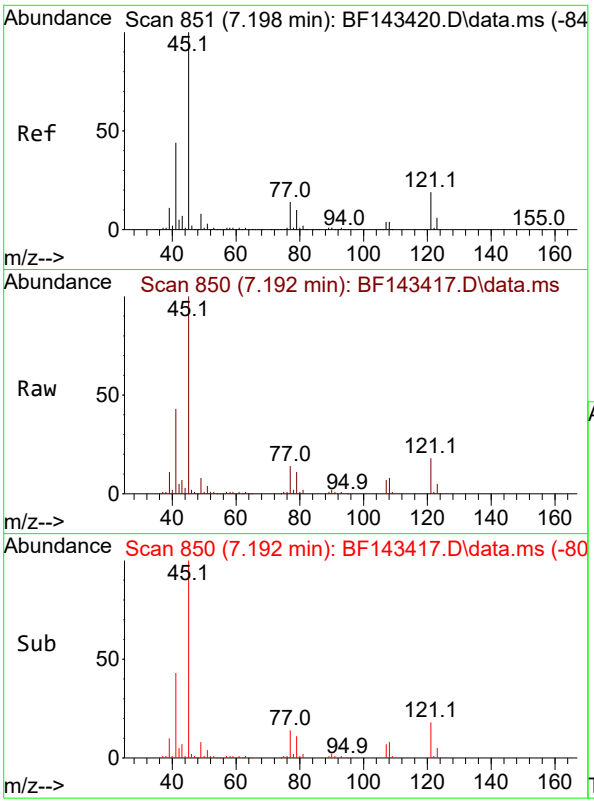


#14
1,2-Dichlorobenzene
Concen: 5.467 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:146 Resp: 52181

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.4	77.0
111	41.3	33.9	50.9



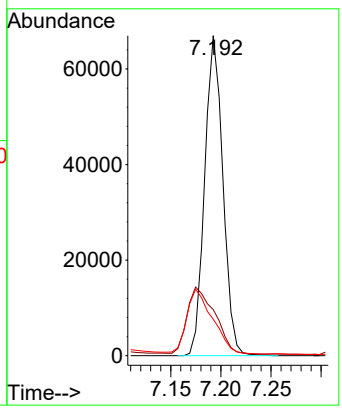


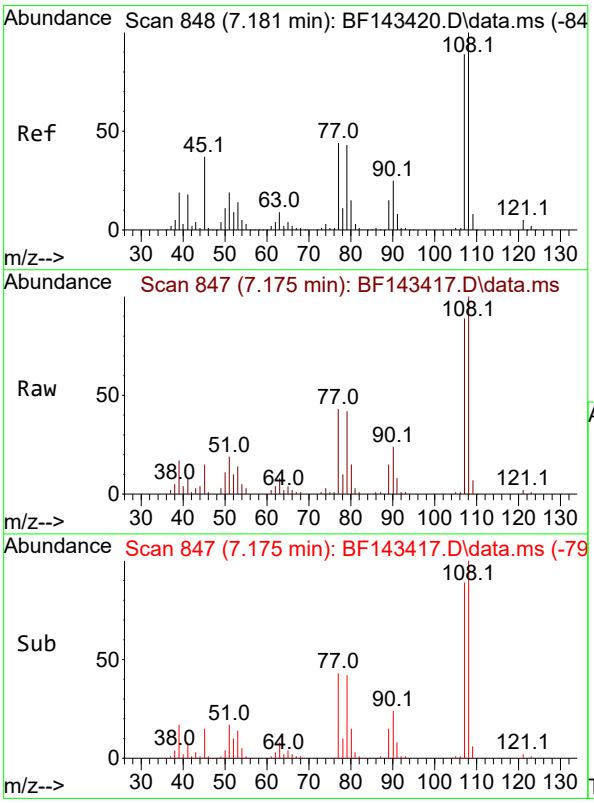
#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.629 ng
RT: 7.192 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 45 Resp: 84900

Ion	Ratio	Lower	Upper
45	100		
77	14.4	0.0	33.9
79	11.4	0.0	30.7

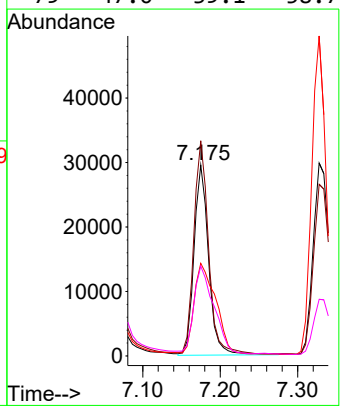


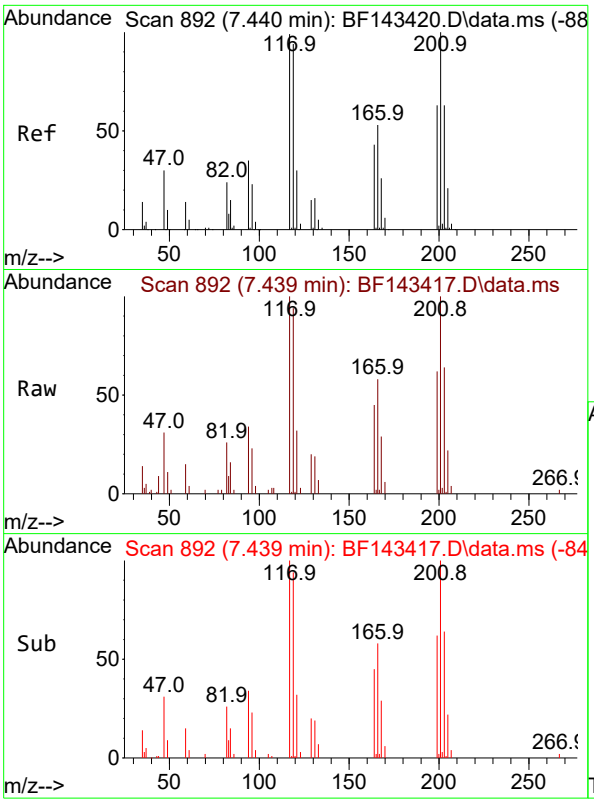


#17
2-Methylphenol
Concen: 5.327 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:107 Resp: 38840

Ion	Ratio	Lower	Upper
107	100		
108	112.7	90.1	135.1
77	48.5	39.9	59.9
79	47.0	39.1	58.7



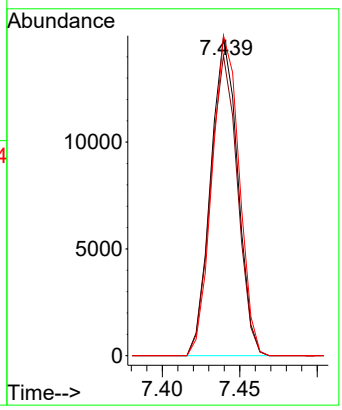


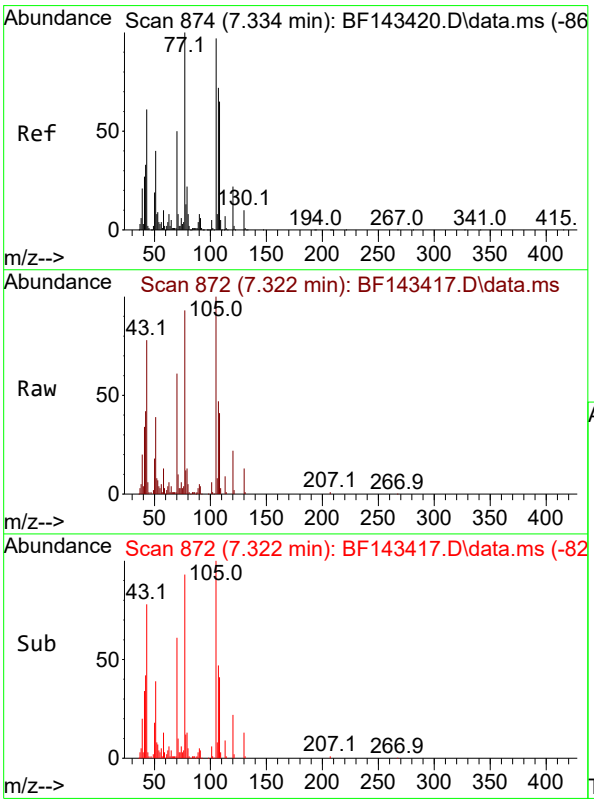
#18
Hexachloroethane
Concen: 5.310 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:117 Resp: 18063

Ion	Ratio	Lower	Upper
117	100		
119	94.1	76.6	114.8
201	100.3	81.0	121.4

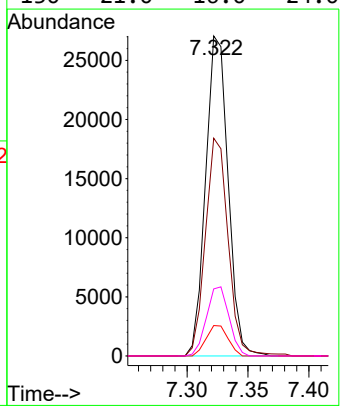


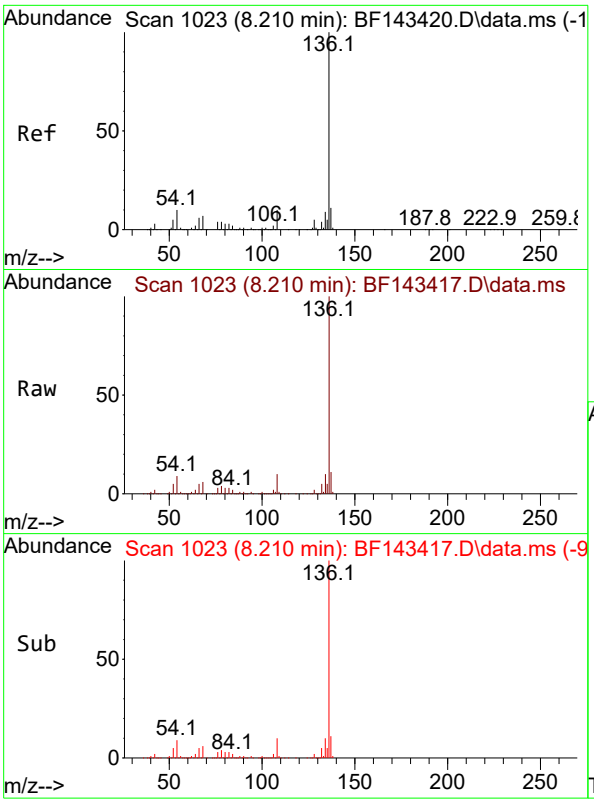


#19
n-Nitroso-di-n-propylamine
Concen: 5.491 ng
RT: 7.322 min Scan# 872
Delta R.T. -0.012 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion: 70 Resp: 34674

Ion	Ratio	Lower	Upper
70	100		
42	68.0	52.5	78.7
101	9.5	7.9	11.9
130	21.0	16.0	24.0



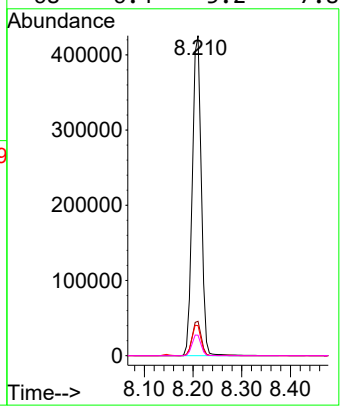


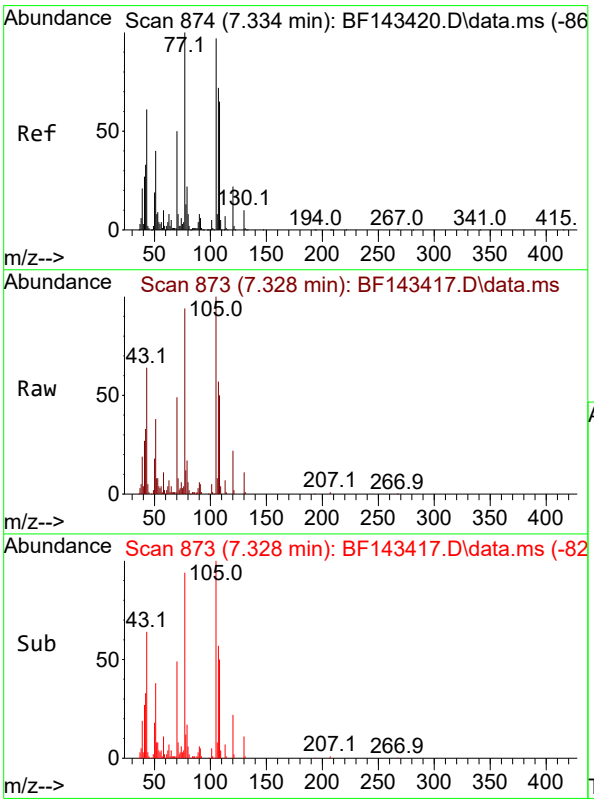
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 547262

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	9.4	7.8	11.8
68	6.4	5.2	7.8

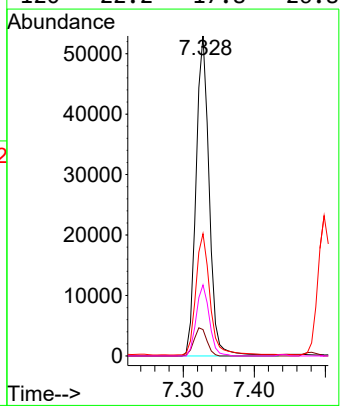


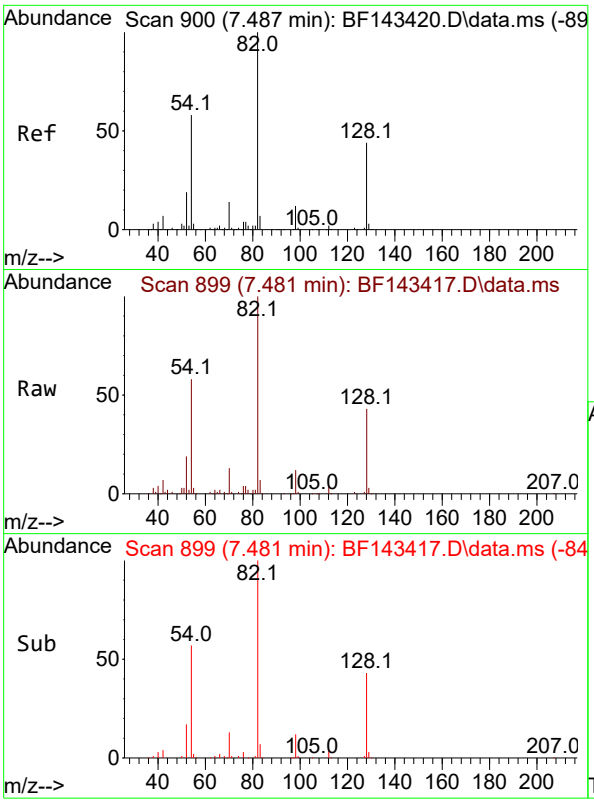


#22
Acetophenone
Concen: 5.829 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:105 Resp: 68582

Ion	Ratio	Lower	Upper
105	100		
71	8.2	7.0	10.4
51	38.2	32.7	49.1
120	22.2	17.8	26.8



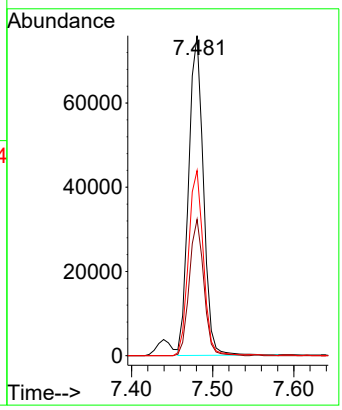


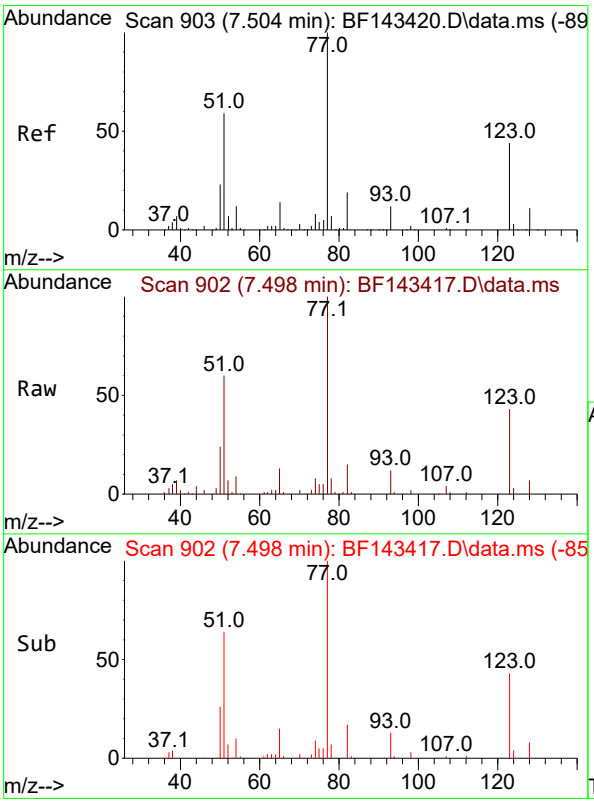
#23
Nitrobenzene-d5
Concen: 10.385 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 95780

Ion	Ratio	Lower	Upper
82	100		
128	42.6	34.6	52.0
54	57.9	46.0	69.0

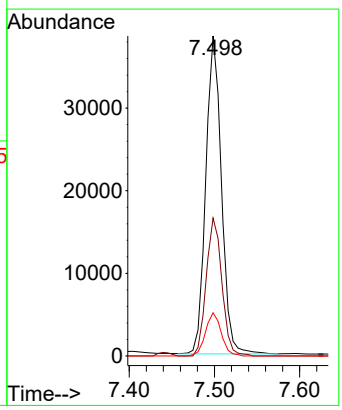


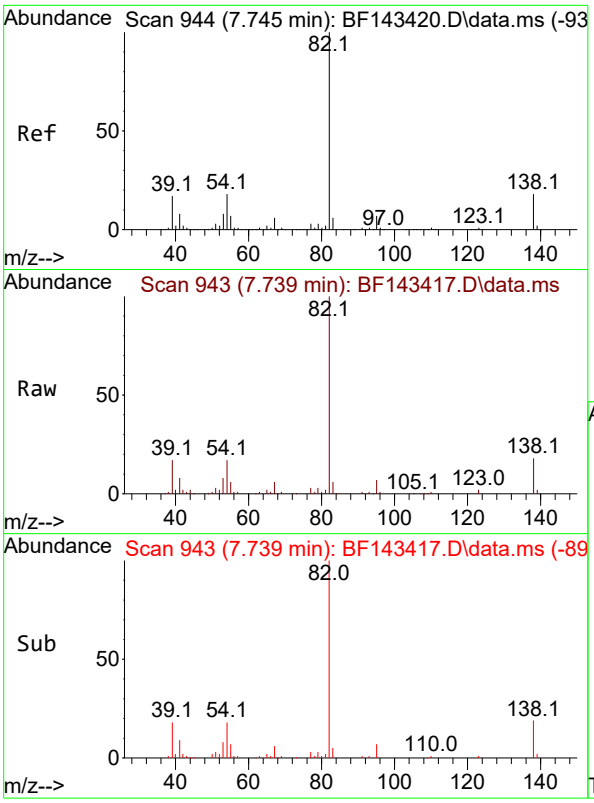


#24
Nitrobenzene
Concen: 5.089 ng
RT: 7.498 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion: 77 Resp: 49053

Ion	Ratio	Lower	Upper
77	100		
123	43.1	35.4	53.0
65	13.5	11.2	16.8



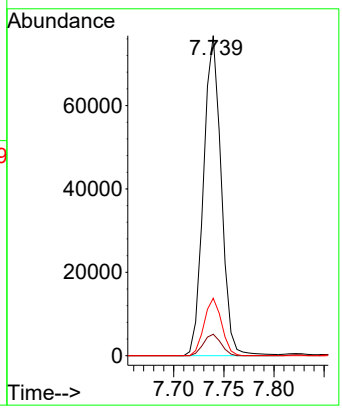


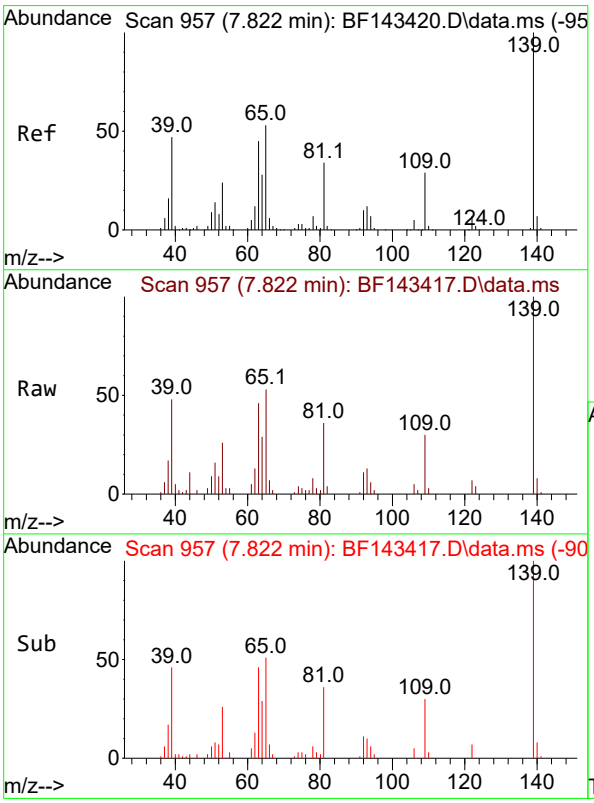
#25
Isophorone
Concen: 5.369 ng
RT: 7.739 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 94764

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.6	8.4
138	18.0	14.3	21.5

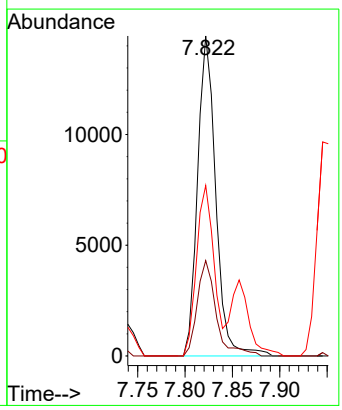


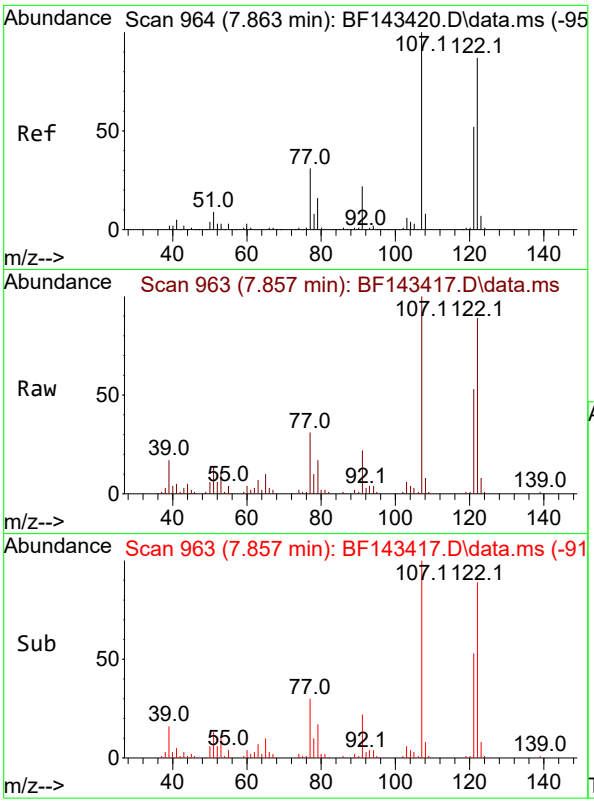


#26
2-Nitrophenol
Concen: 4.310 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:139 Resp: 19259

Ion	Ratio	Lower	Upper
139	100		
109	29.8	23.0	34.4
65	53.2	42.5	63.7



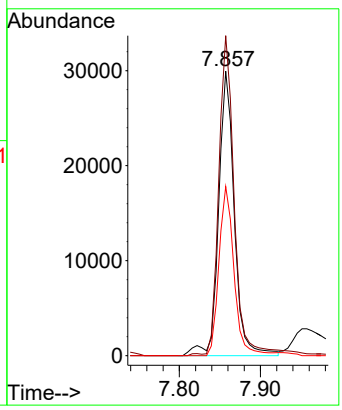


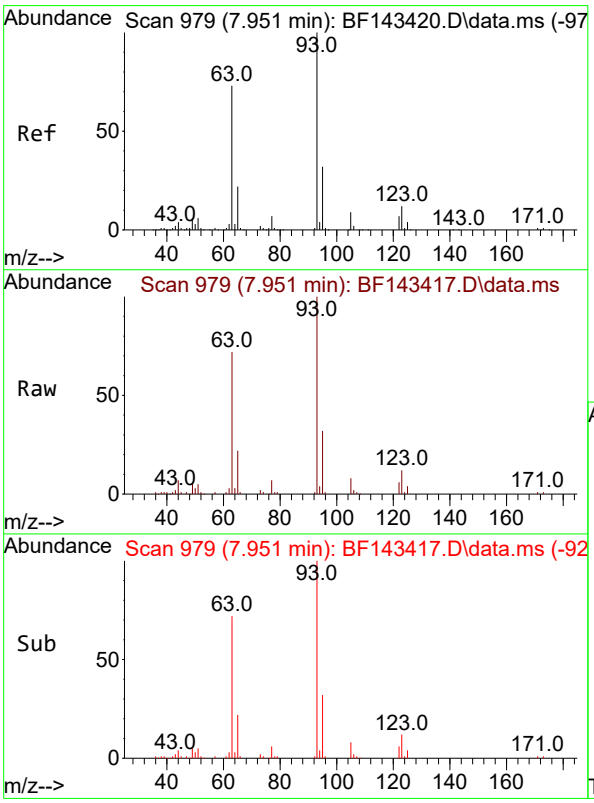
#27
2,4-Dimethylphenol
Concen: 5.355 ng
RT: 7.857 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 40460

Ion	Ratio	Lower	Upper
122	100		
107	112.5	90.4	135.6
121	59.5	46.7	70.1

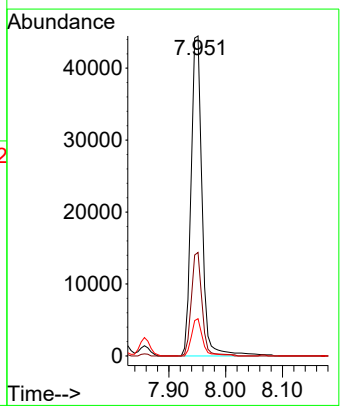


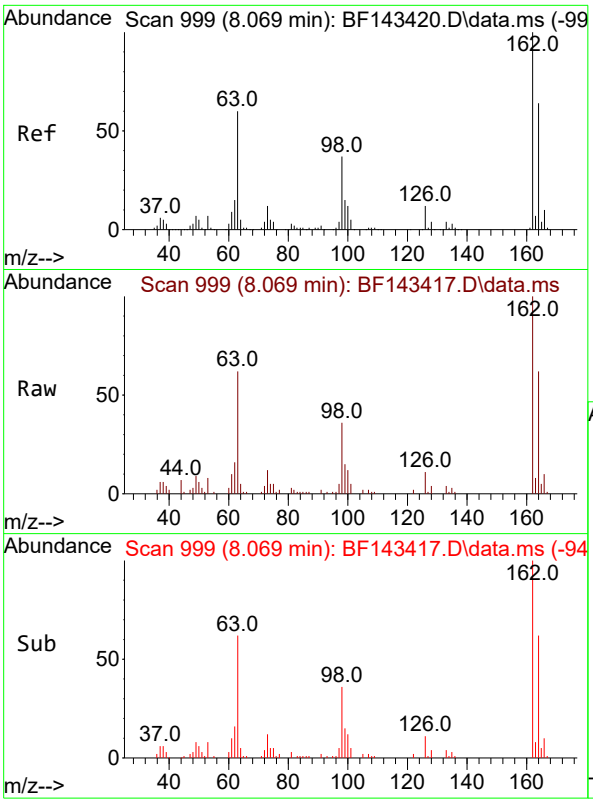


#28
bis(2-Chloroethoxy)methane
Concen: 5.561 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion: 93 Resp: 60331

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.0	39.0
123	11.7	9.5	14.3



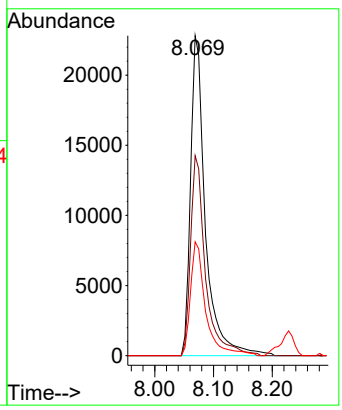


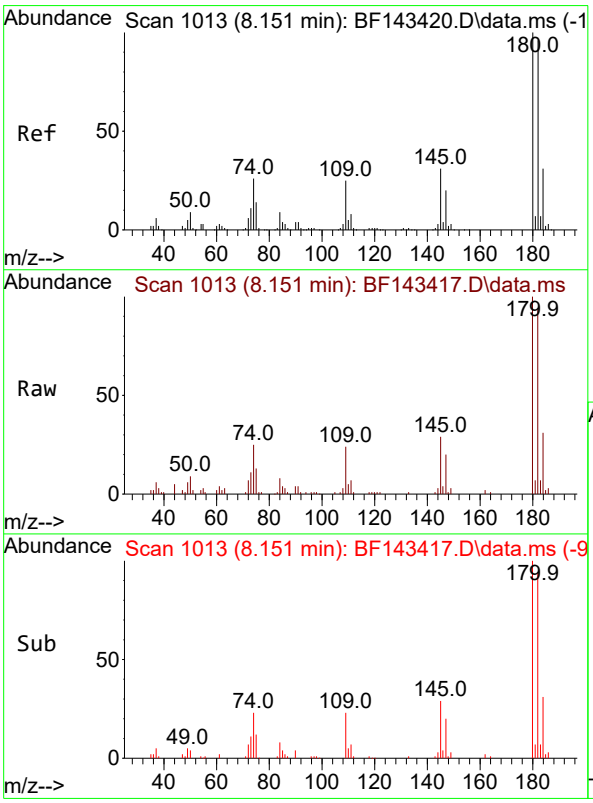
#29
2,4-Dichlorophenol
Concen: 5.183 ng
RT: 8.069 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 39920

Ion	Ratio	Lower	Upper
162	100		
164	62.5	44.3	84.3
98	35.6	16.9	56.9

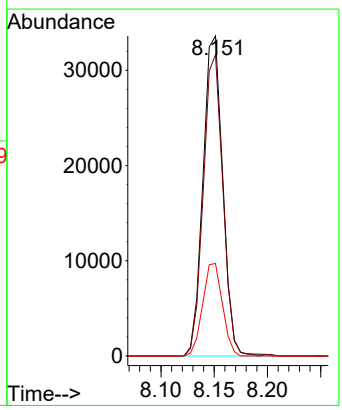


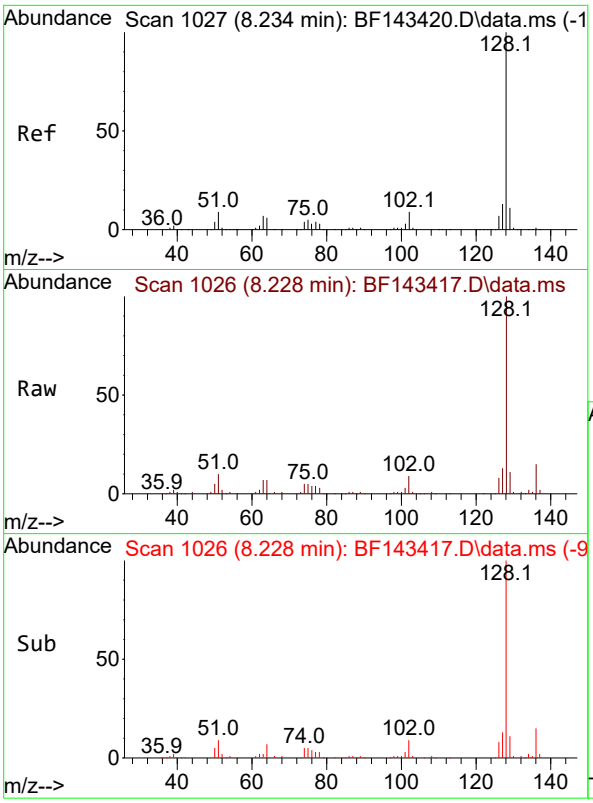


#30
1,2,4-Trichlorobenzene
Concen: 5.505 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:180 Resp: 43443

Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.7	115.1
145	28.9	24.5	36.7



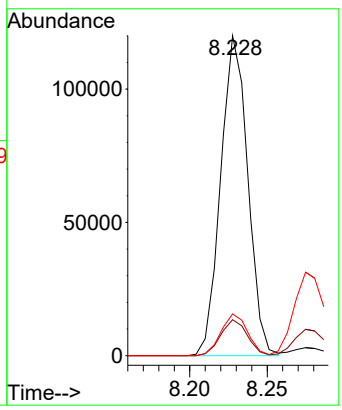


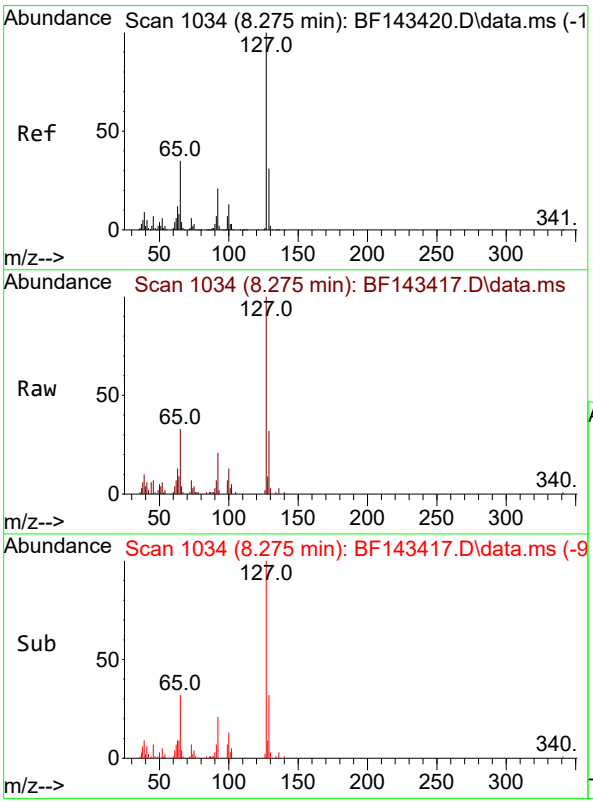
#31
Naphthalene
Concen: 5.617 ng
RT: 8.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 145941

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.1	10.6	16.0

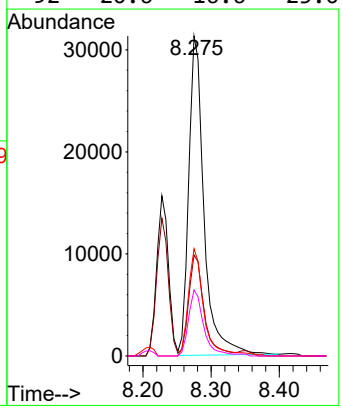


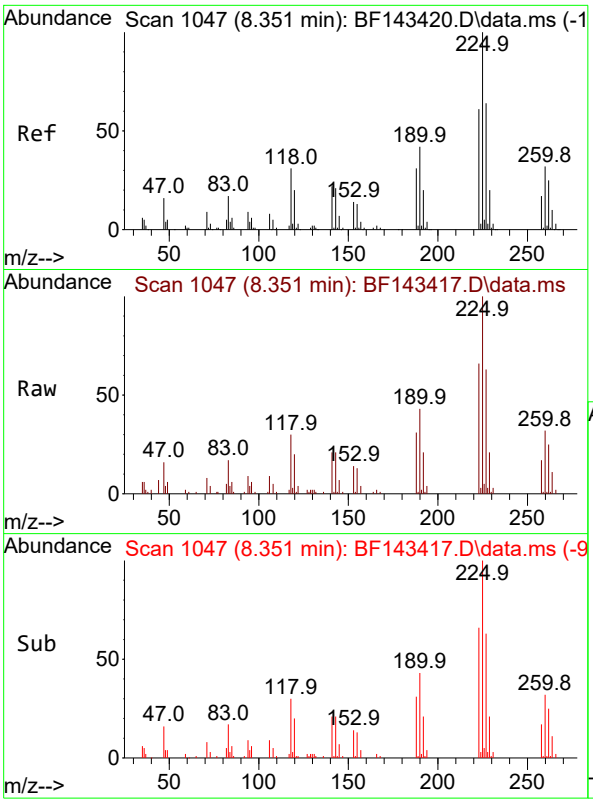


#33
4-Chloroaniline
Concen: 5.179 ng
RT: 8.275 min Scan# 1034
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:127 Resp: 48574

Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.8	38.8
65	33.5	27.2	40.8
92	20.6	16.6	25.0



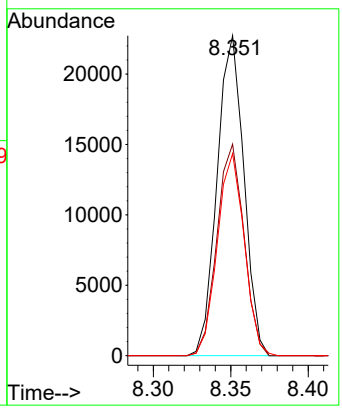


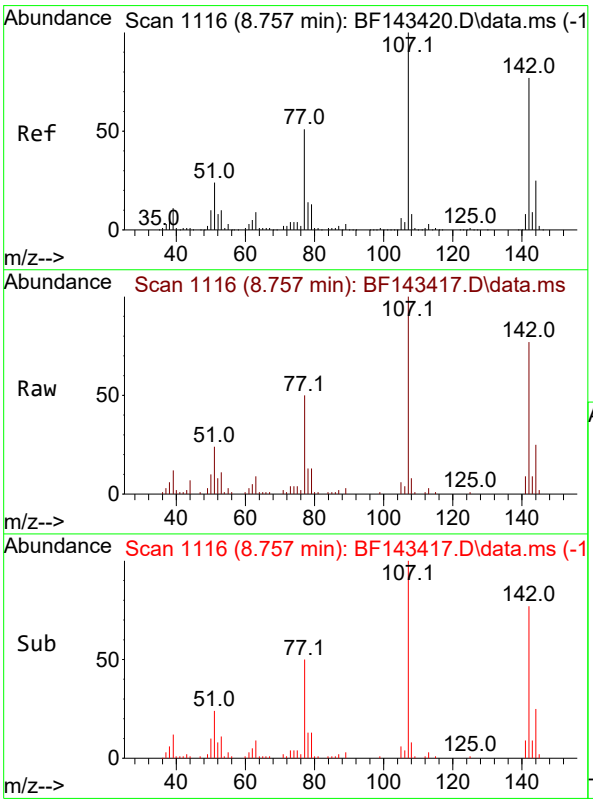
#34
Hexachlorobutadiene
Concen: 5.434 ng
RT: 8.351 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:225 Resp: 27343

Ion	Ratio	Lower	Upper
225	100		
223	66.1	49.0	73.6
227	63.2	51.1	76.7

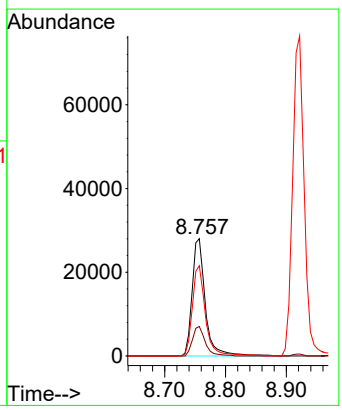


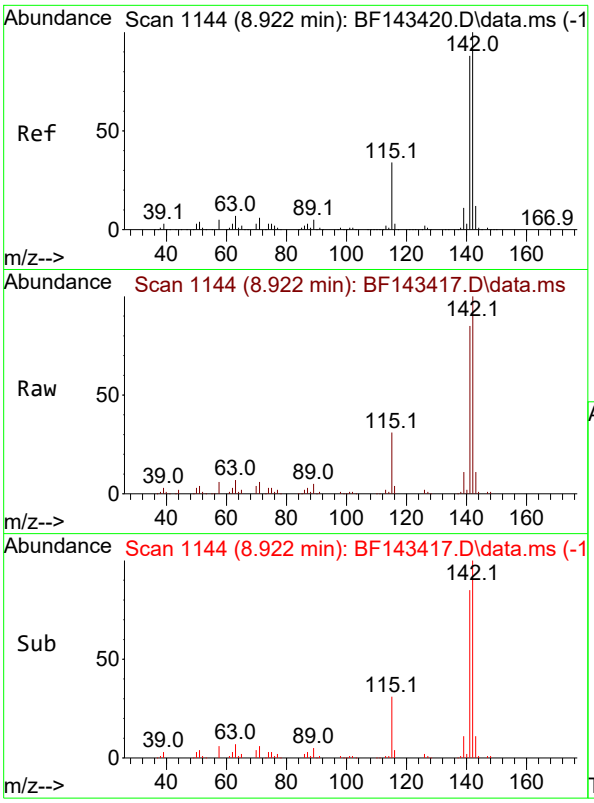


#36
4-Chloro-3-methylphenol
Concen: 5.314 ng
RT: 8.757 min Scan# 1116
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:107 Resp: 42152

Ion	Ratio	Lower	Upper
107	100		
144	25.2	20.2	30.2
142	77.0	62.0	93.0



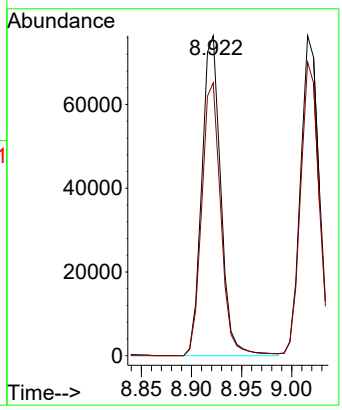


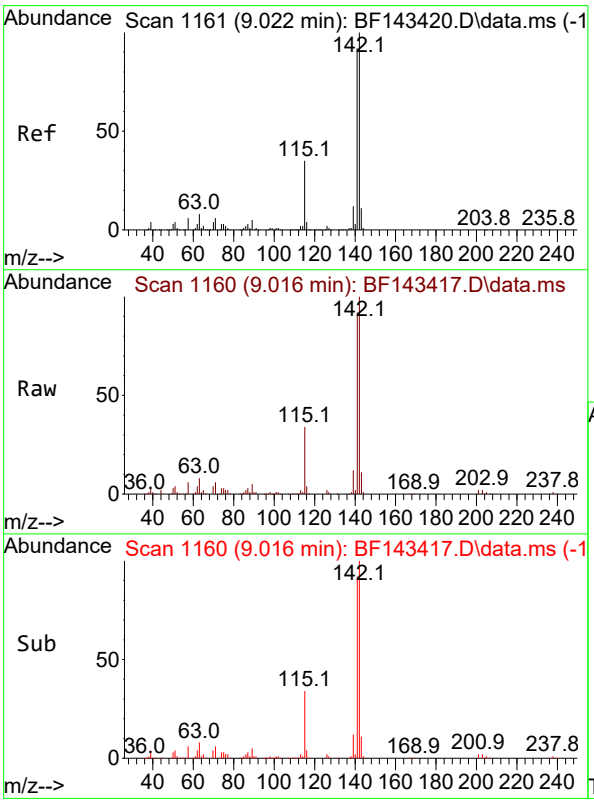
#37
2-Methylnaphthalene
Concen: 5.759 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 100864

Ion	Ratio	Lower	Upper
142	100		
141	85.3	70.3	105.5

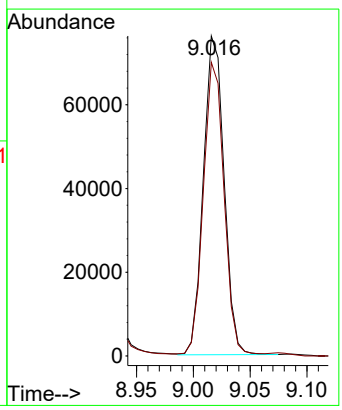


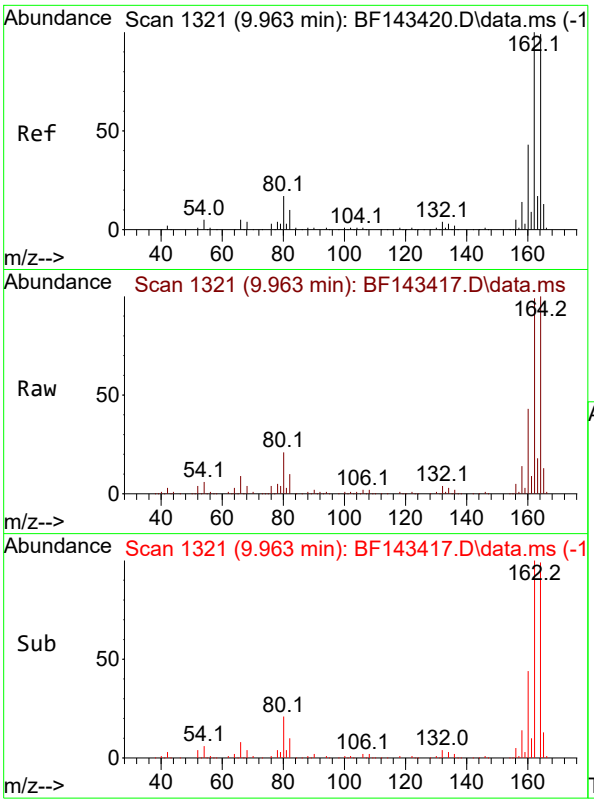


#38
1-Methylnaphthalene
Concen: 5.737 ng
RT: 9.016 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:142 Resp: 96256

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.8	110.6



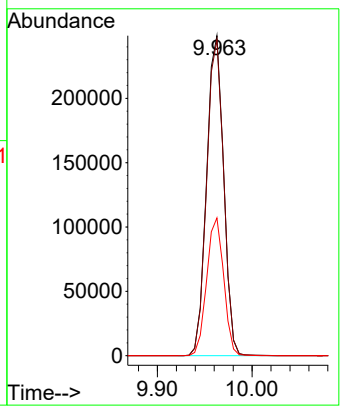


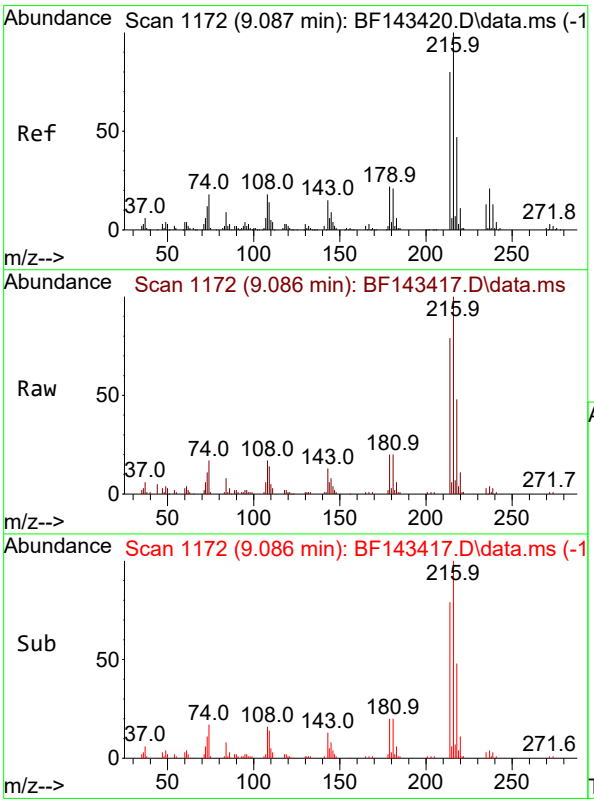
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:164 Resp: 310490

Ion	Ratio	Lower	Upper
164	100		
162	98.7	80.6	121.0
160	43.0	34.6	51.8

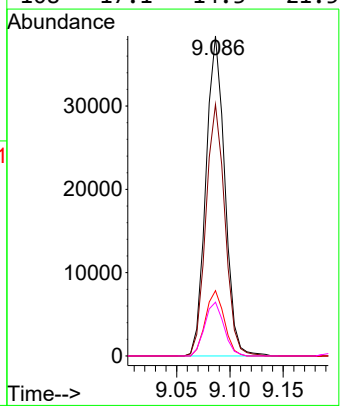


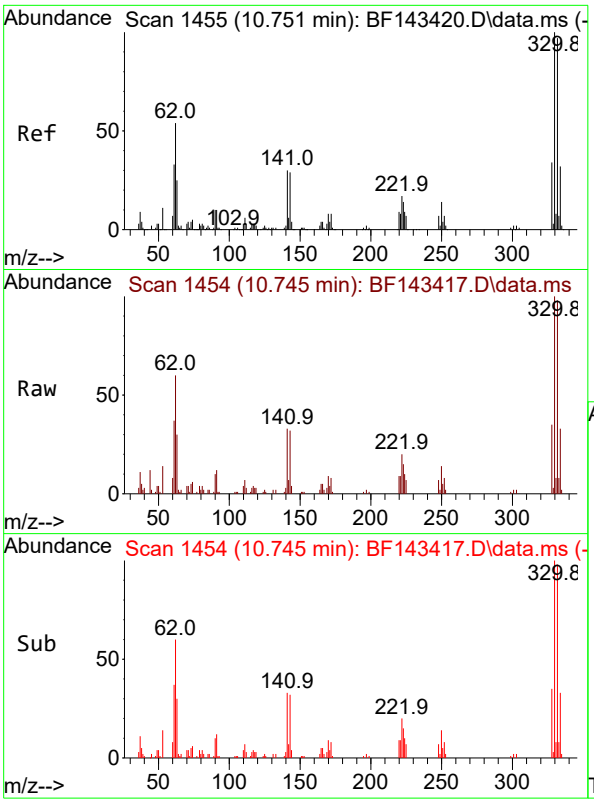


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.477 ng
RT: 9.086 min Scan# 1172
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:216 Resp: 47429

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.7	95.5
179	20.3	17.0	25.4
108	17.1	14.3	21.5



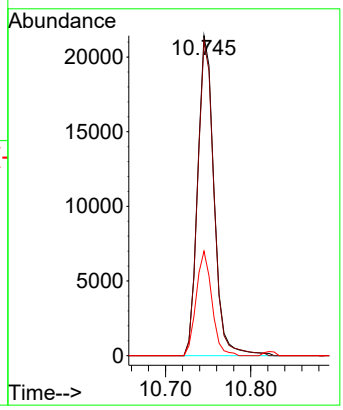


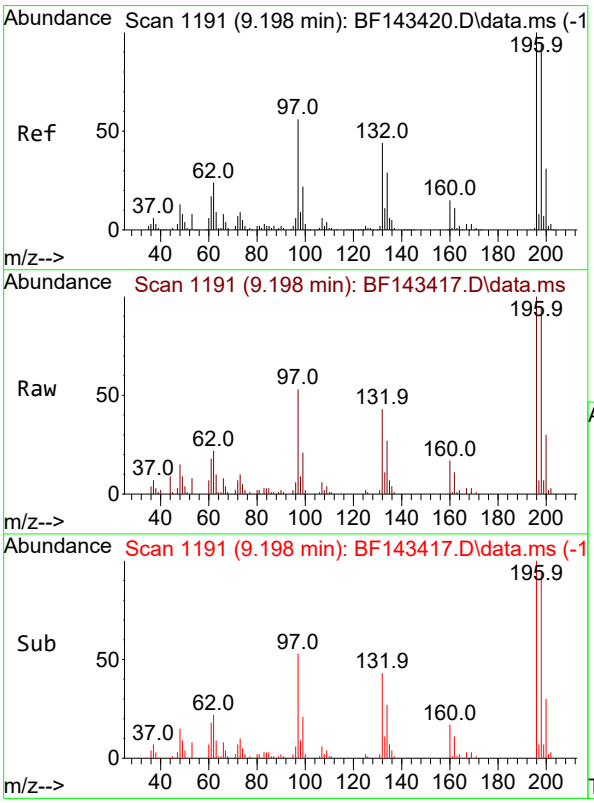
#42
2,4,6-Tribromophenol
Concen: 10.333 ng
RT: 10.745 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:330 Resp: 28555

Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.4	116.2
141	31.3	24.1	36.1

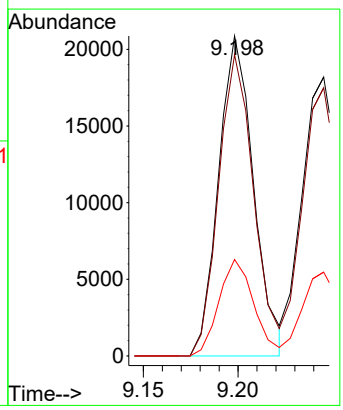


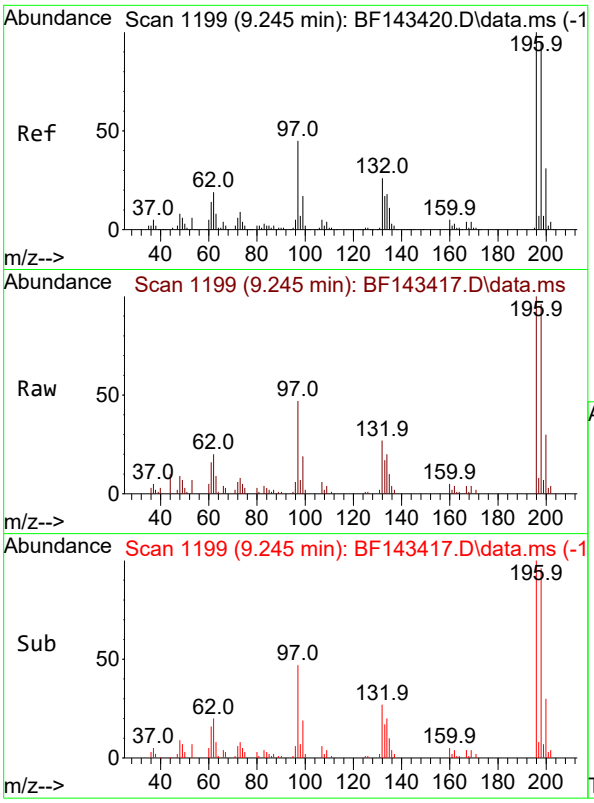


#43
2,4,6-Trichlorophenol
Concen: 4.962 ng
RT: 9.198 min Scan# 1191
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:196 Resp: 26801

Ion	Ratio	Lower	Upper
196	100		
198	94.2	75.4	113.2
200	30.1	24.7	37.1



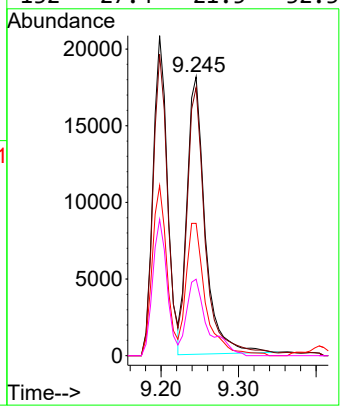


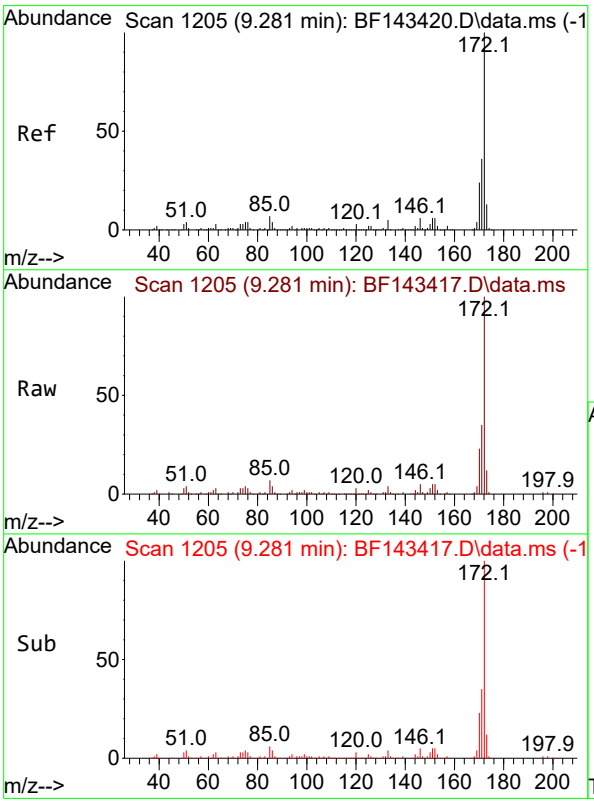
#44
2,4,5-Trichlorophenol
Concen: 5.070 ng
RT: 9.245 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 29354

Ion	Ratio	Lower	Upper
196	100		
198	96.1	76.2	114.4
97	47.5	36.6	55.0
132	27.4	21.5	32.3

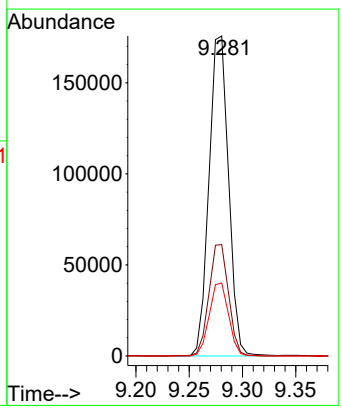


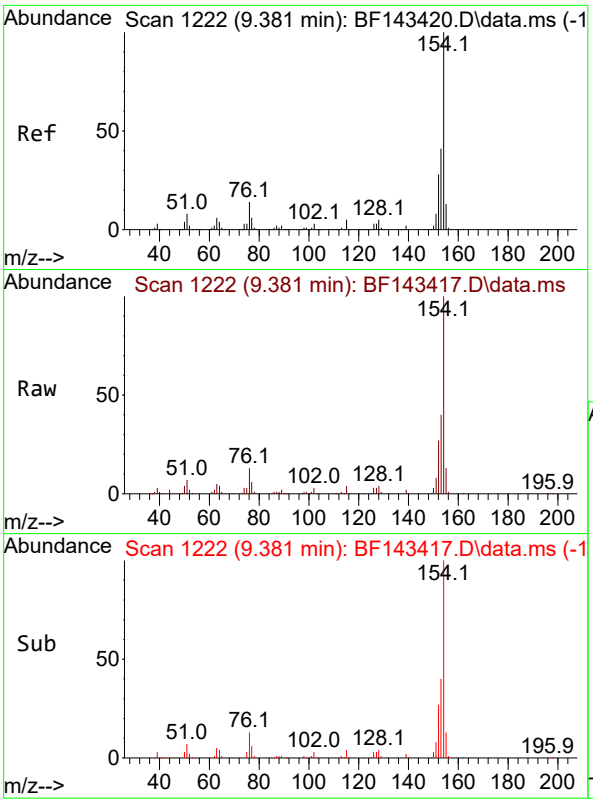


#45
2-Fluorobiphenyl
Concen: 12.150 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:172 Resp: 224285

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.7	43.1
170	22.8	19.0	28.6



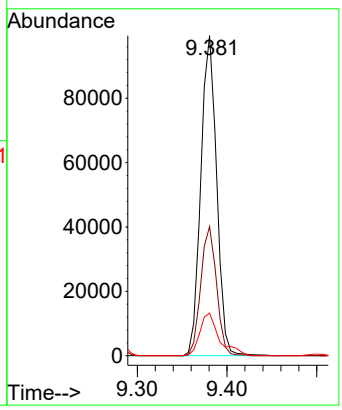


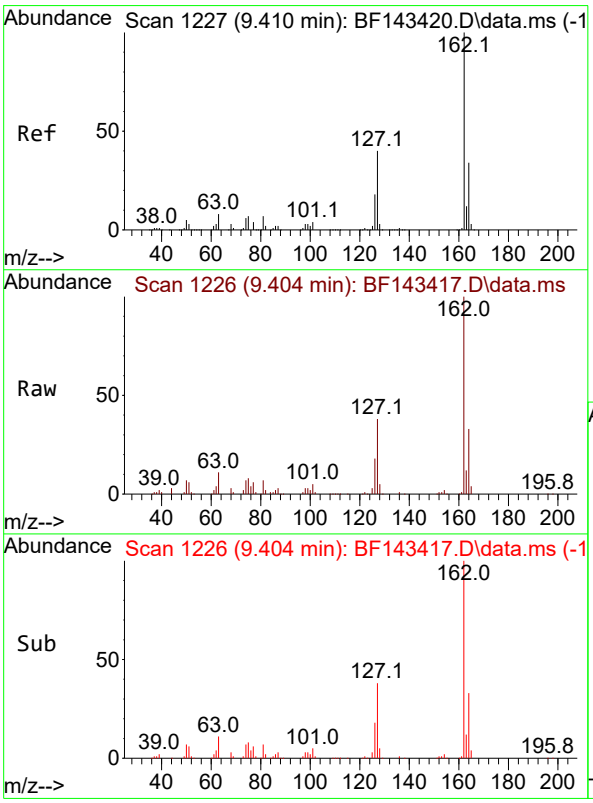
#46
1,1'-Biphenyl
Concen: 5.581 ng
RT: 9.381 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 121744

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.6	60.6
76	13.3	0.0	33.8

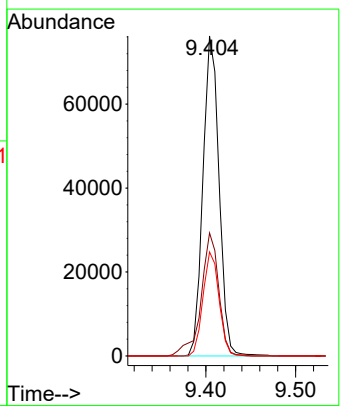


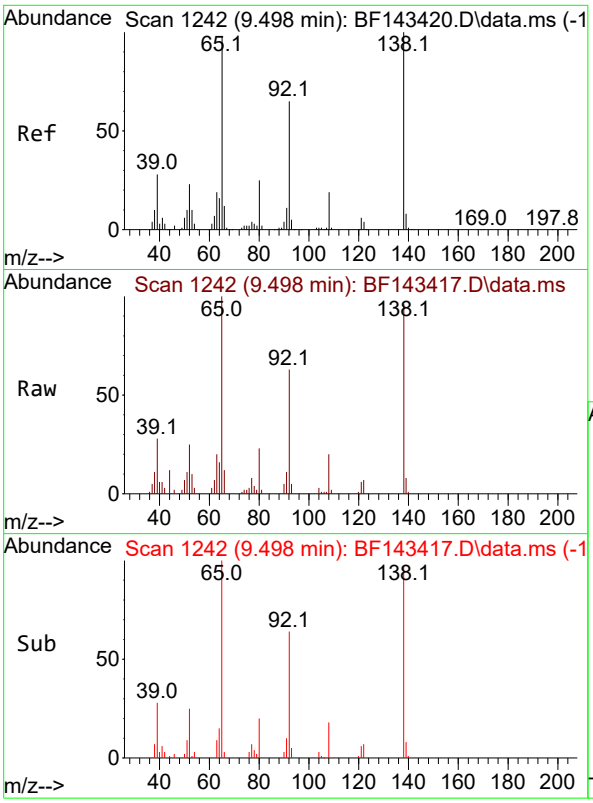


#47
2-Chloronaphthalene
Concen: 5.520 ng
RT: 9.404 min Scan# 1226
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:162 Resp: 95062

Ion	Ratio	Lower	Upper
162	100		
127	38.5	32.3	48.5
164	32.5	26.9	40.3



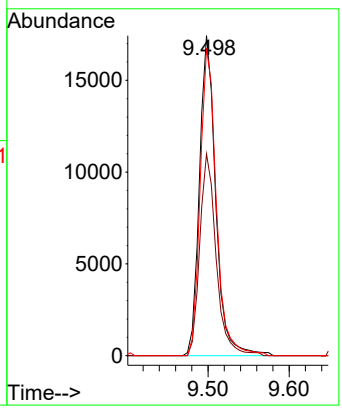


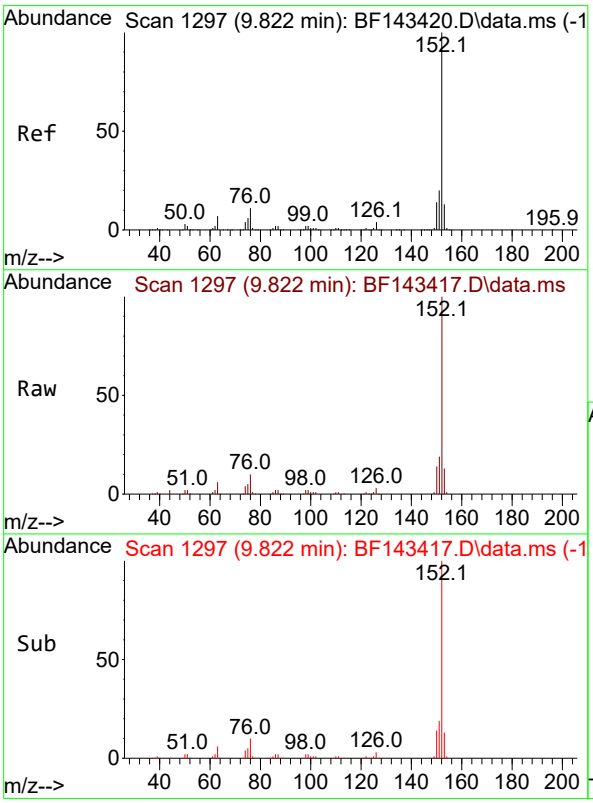
#48
2-Nitroaniline
Concen: 4.734 ng
RT: 9.498 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 65 Resp: 24258

Ion	Ratio	Lower	Upper
65	100		
92	63.1	52.9	79.3
138	96.0	81.3	121.9

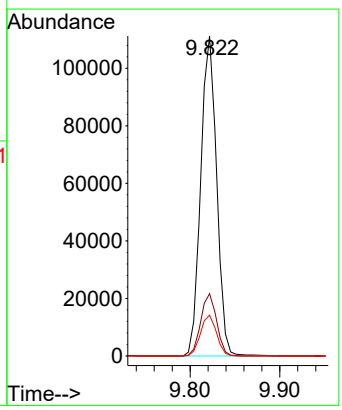


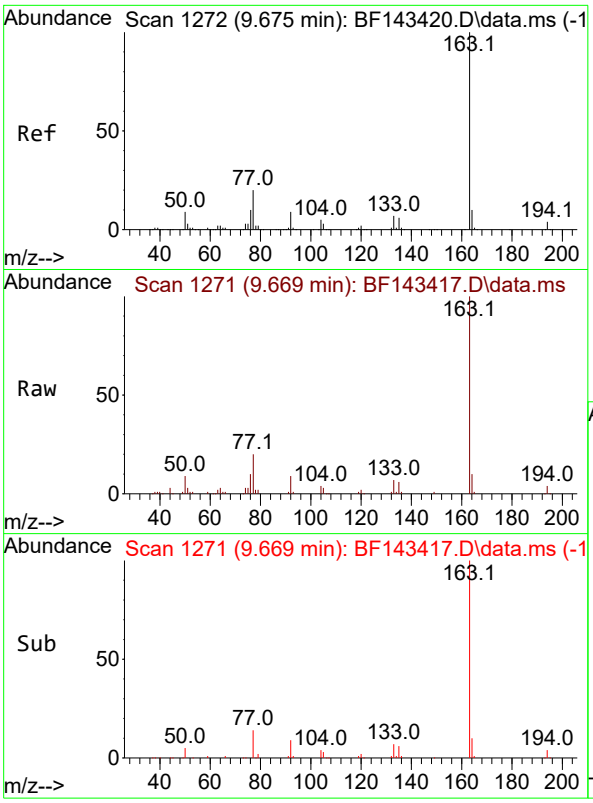


#49
Acenaphthylene
Concen: 5.509 ng
RT: 9.822 min Scan# 1297
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:152 Resp: 136971

Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.0	24.0
153	12.7	10.8	16.2



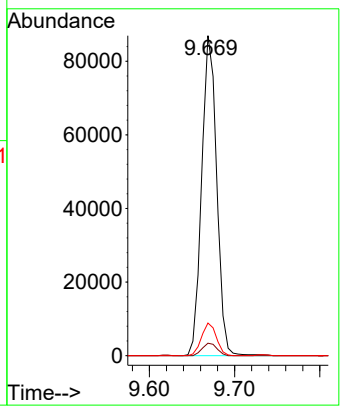


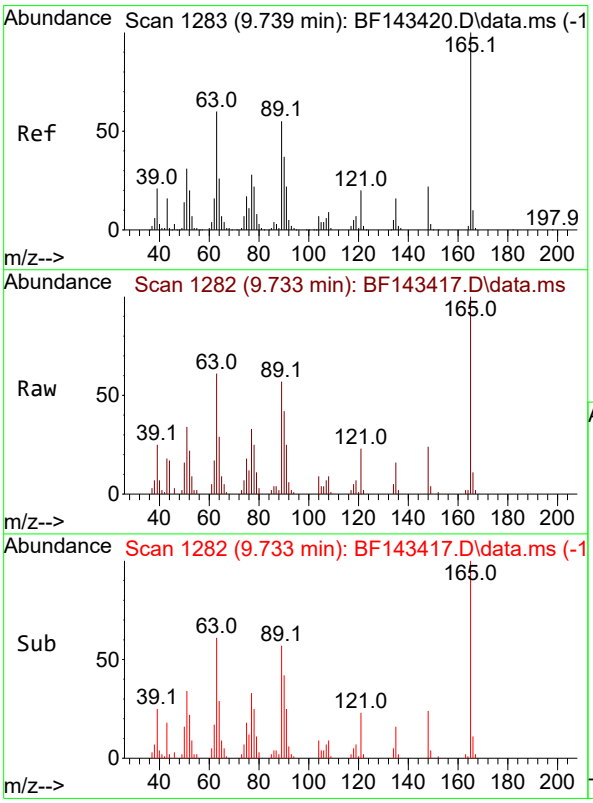
#50
Dimethylphthalate
Concen: 5.499 ng
RT: 9.669 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:163 Resp: 106442

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.0
164	10.2	8.2	12.4

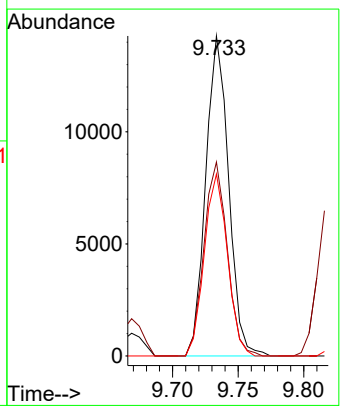


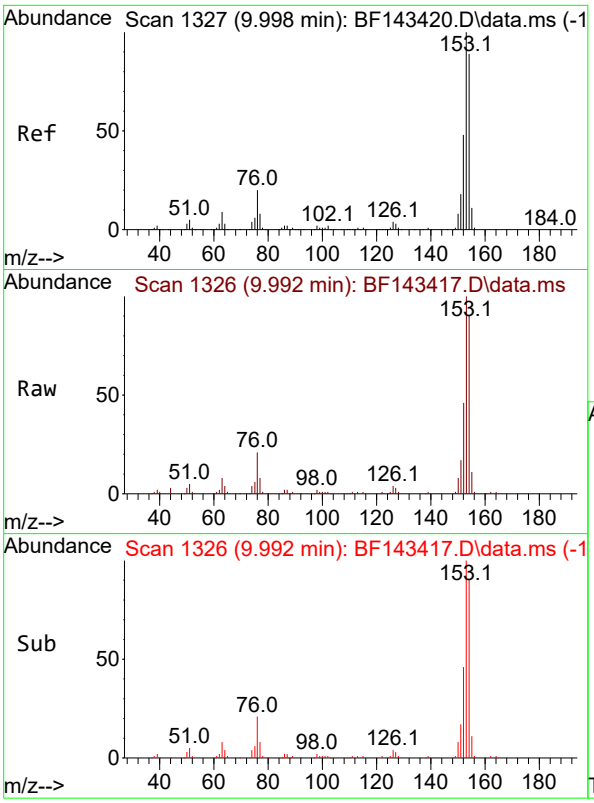


#51
2,6-Dinitrotoluene
Concen: 4.535 ng
RT: 9.733 min Scan# 1282
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:165 Resp: 17305

Ion	Ratio	Lower	Upper
165	100		
63	60.6	48.2	72.2
89	56.8	44.2	66.2



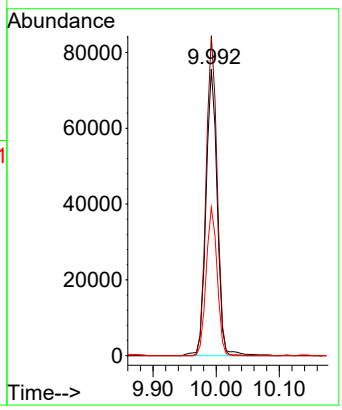


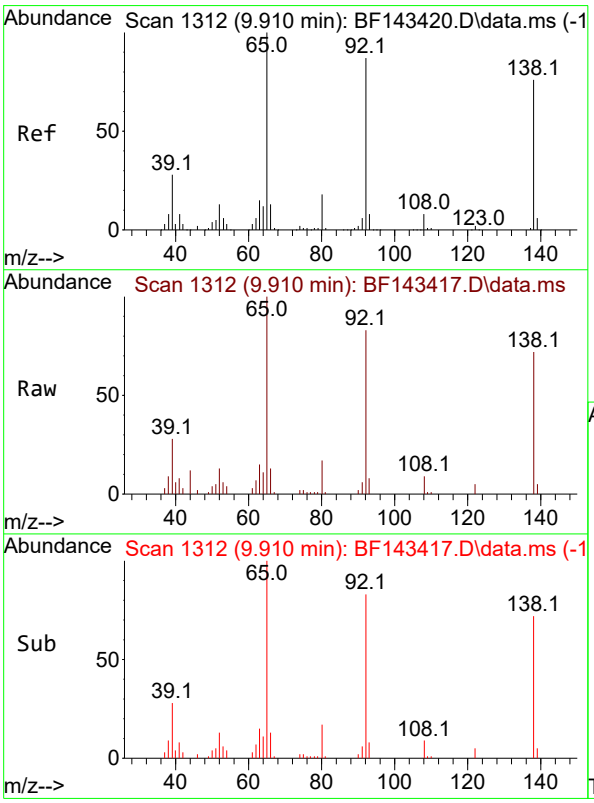
#52
Acenaphthene
Concen: 5.581 ng
RT: 9.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 93335

Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.5	134.3
152	51.8	42.6	64.0

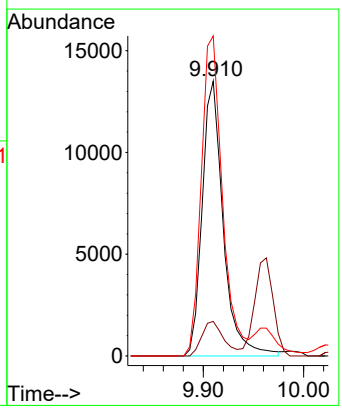


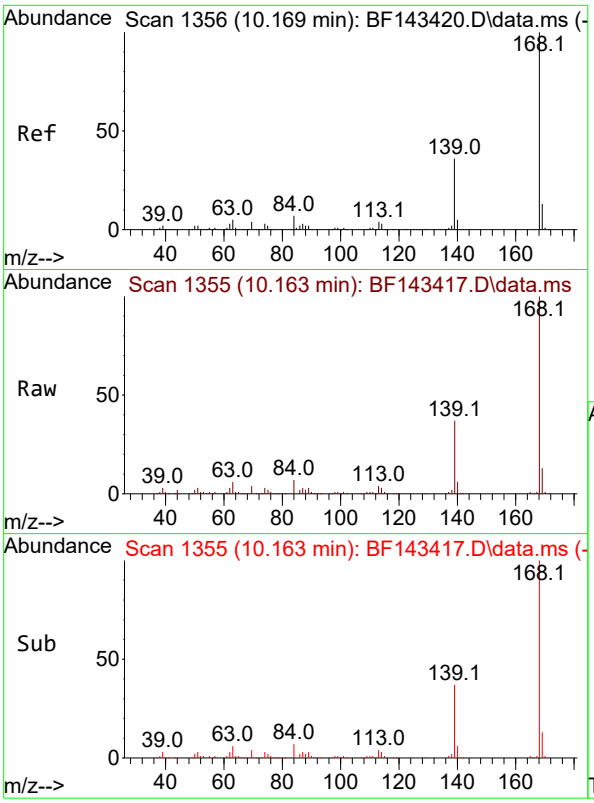


#53
3-Nitroaniline
Concen: 4.645 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:138 Resp: 19743

Ion	Ratio	Lower	Upper
138	100		
108	12.6	8.7	13.1
92	116.4	91.4	137.2



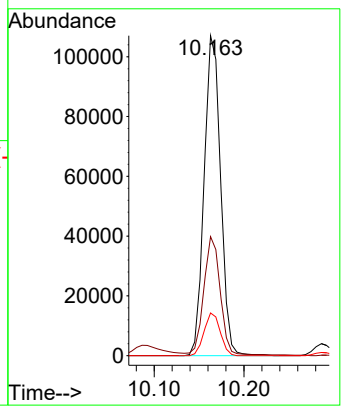


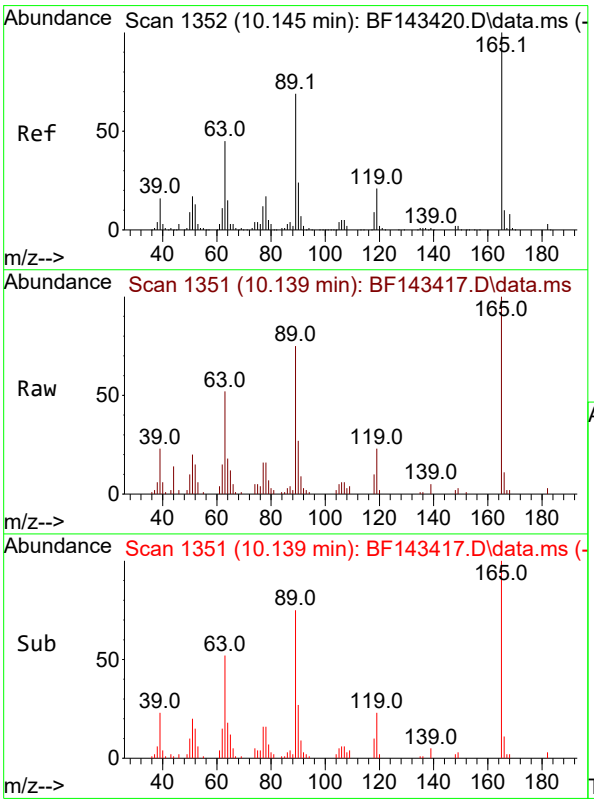
#55
Dibenzofuran
Concen: 5.643 ng
RT: 10.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:168 Resp: 136138

Ion	Ratio	Lower	Upper
168	100		
139	37.2	29.3	43.9
169	13.4	10.8	16.2

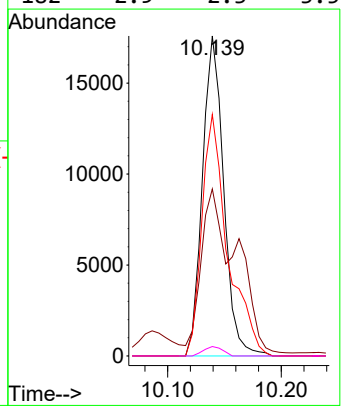


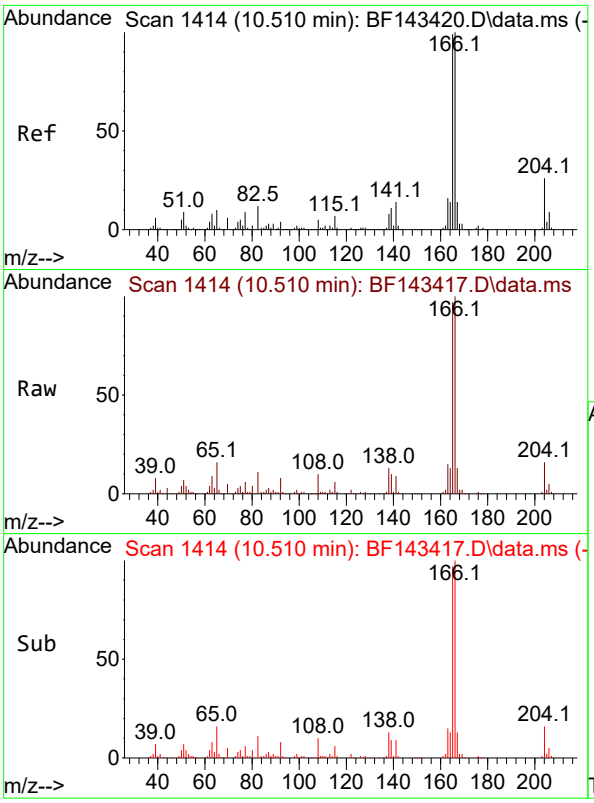


#57
2,4-Dinitrotoluene
Concen: 4.467 ng
RT: 10.139 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:165 Resp: 22724

Ion	Ratio	Lower	Upper
165	100		
63	52.2	37.0	55.6
89	75.5	55.4	83.0
182	2.9	2.3	3.5



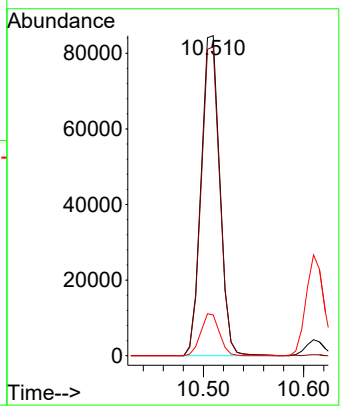


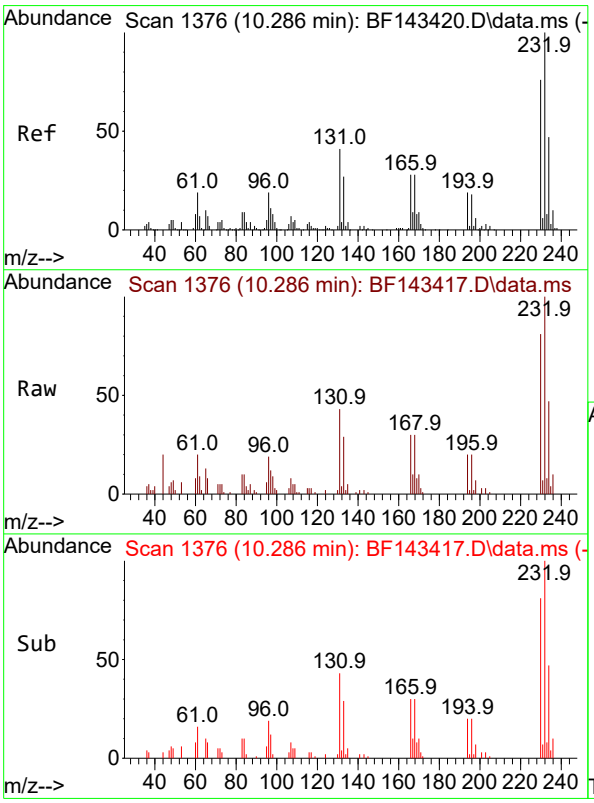
#58
Fluorene
Concen: 5.925 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:166 Resp: 109812

Ion	Ratio	Lower	Upper
166	100		
165	96.5	79.0	118.6
167	12.8	10.9	16.3

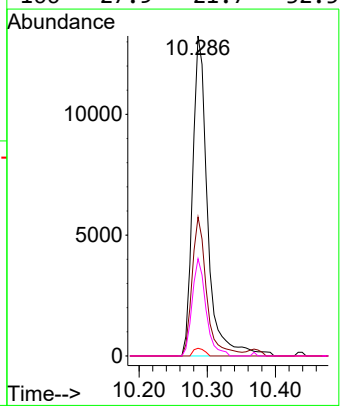


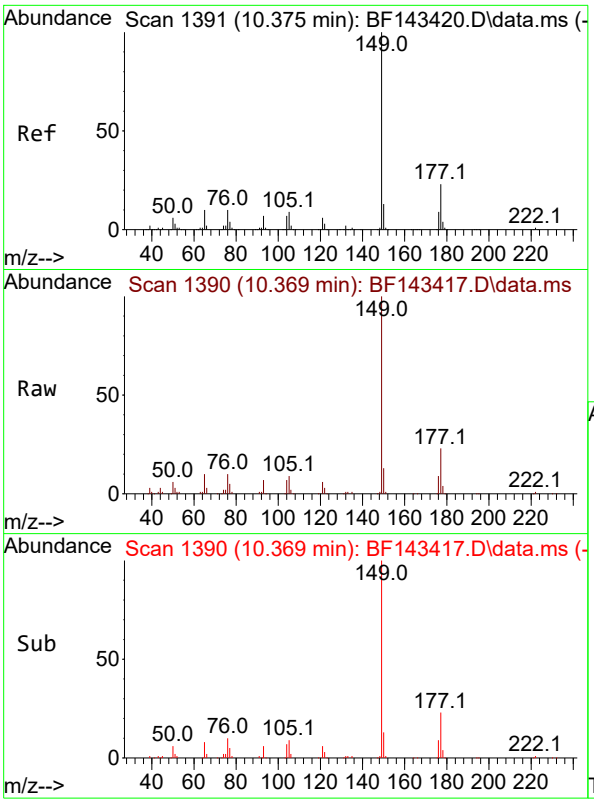


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.611 ng
RT: 10.286 min Scan# 1376
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:232 Resp: 20210

Ion	Ratio	Lower	Upper
232	100		
131	42.2	32.0	48.0
130	1.8	1.7	2.5
166	27.9	21.7	32.5



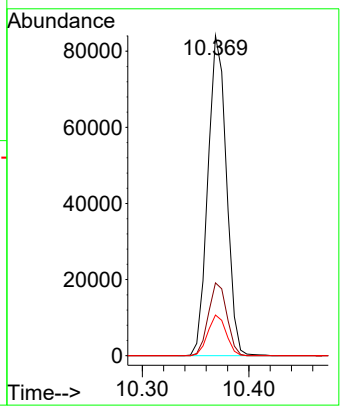


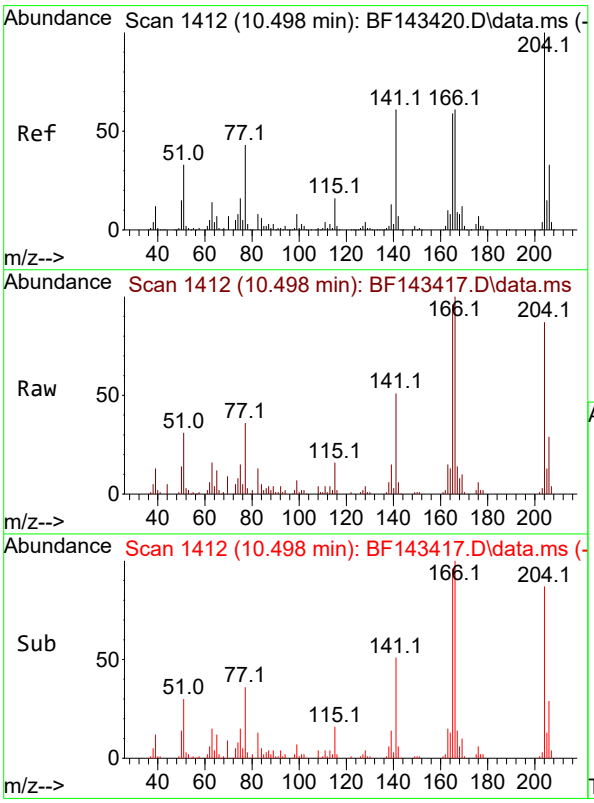
#60
Diethylphthalate
Concen: 5.676 ng
RT: 10.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 101540

Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.2	27.4
150	12.7	10.1	15.1

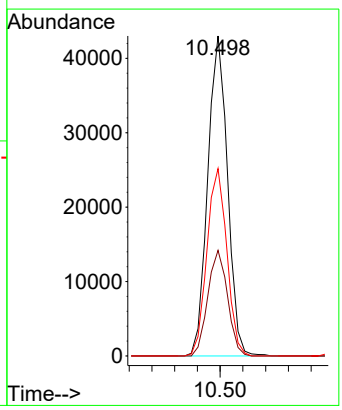


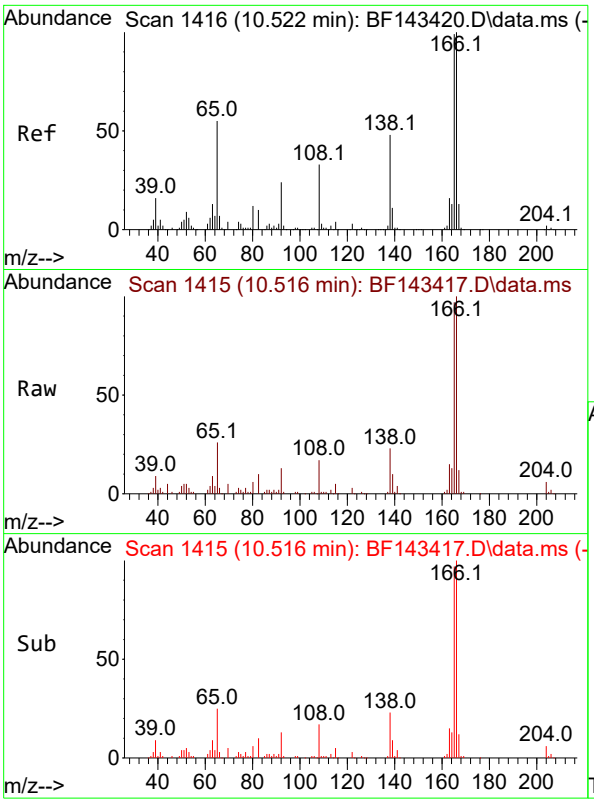


#61
4-Chlorophenyl-phenylether
Concen: 5.669 ng
RT: 10.498 min Scan# 1412
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:204 Resp: 51941

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.5	39.7
141	58.6	49.0	73.4



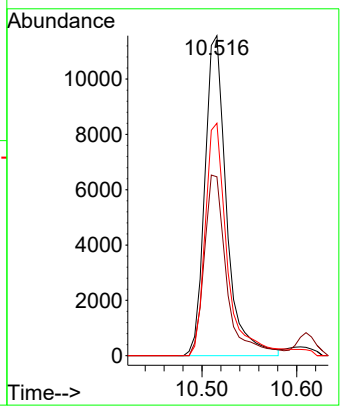


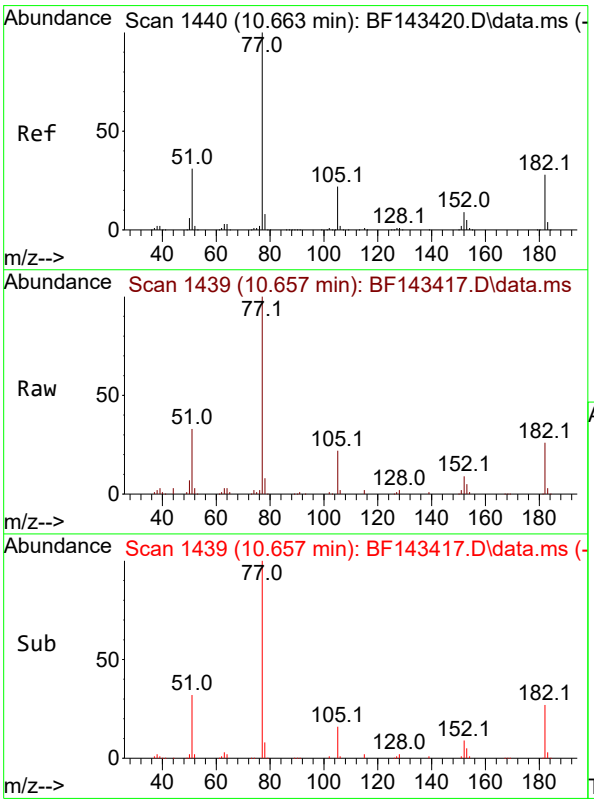
#62
4-Nitroaniline
Concen: 4.621 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 18371

Ion	Ratio	Lower	Upper
138	100		
92	55.9	29.4	69.4
108	72.7	48.6	88.6

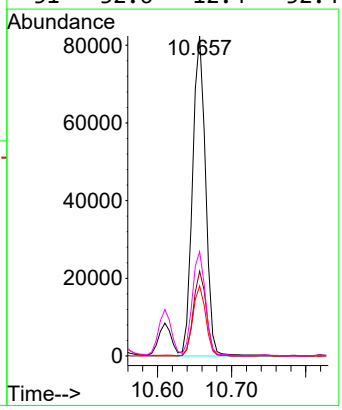


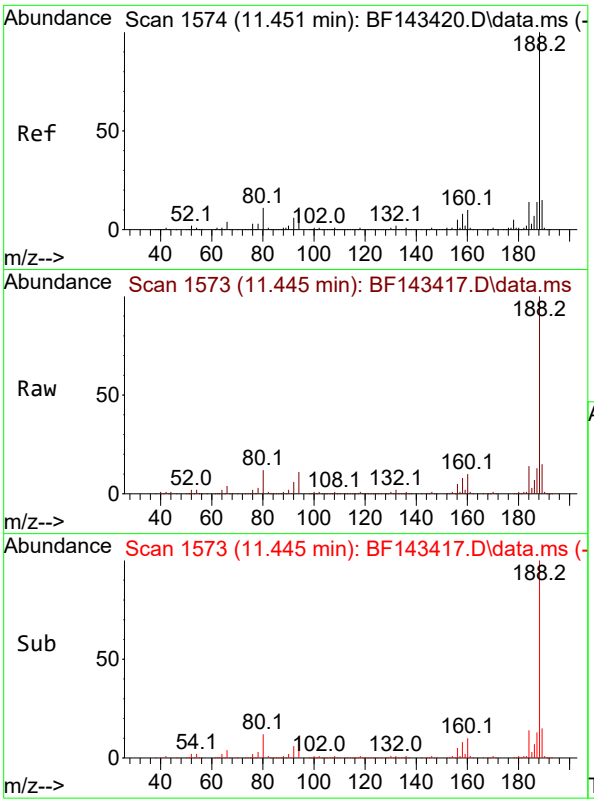


#63
Azobenzene
Concen: 5.586 ng
RT: 10.657 min Scan# 1439
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion: 77 Resp: 100999

Ion	Ratio	Lower	Upper
77	100		
182	26.5	7.4	47.4
105	21.9	1.7	41.7
51	32.6	12.4	52.4



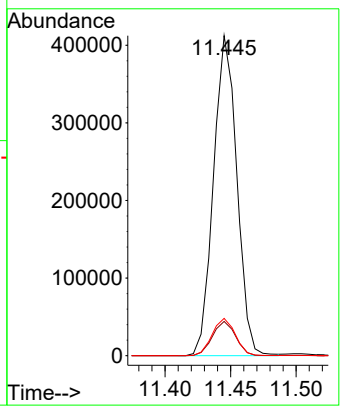


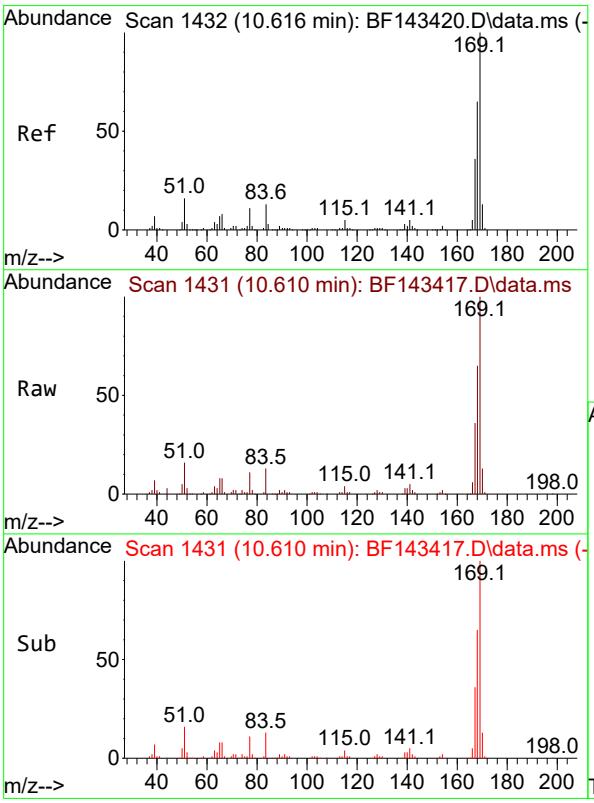
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:188 Resp: 510641

Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.0	12.0
80	11.7	8.6	12.8

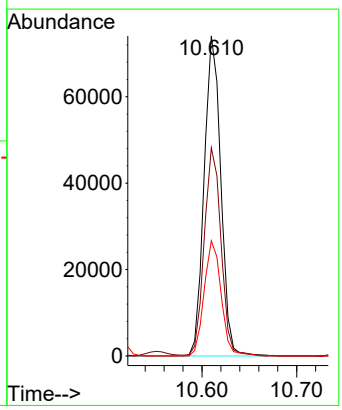


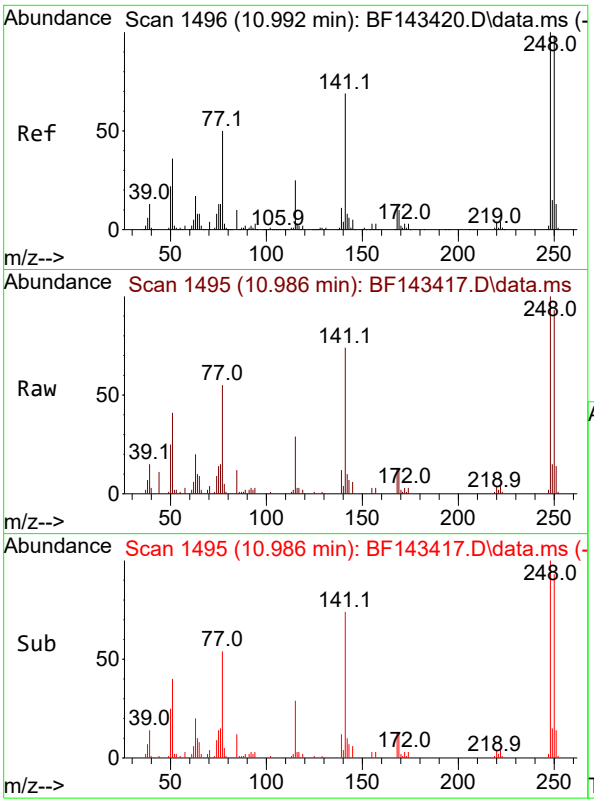


#66
n-Nitrosodiphenylamine
Concen: 5.439 ng
RT: 10.610 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:169 Resp: 90311

Ion	Ratio	Lower	Upper
169	100		
168	65.1	52.5	78.7
167	36.0	28.6	42.8



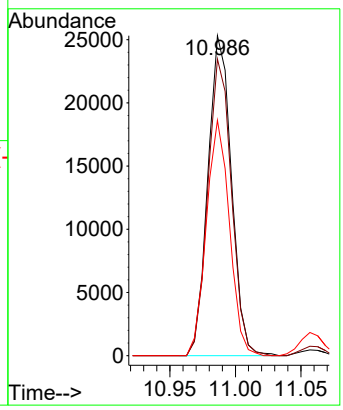


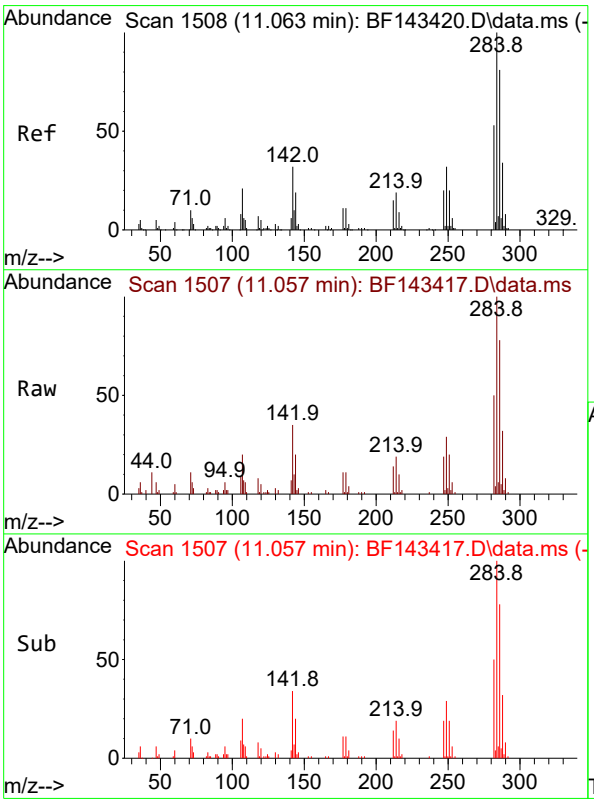
#67
4-Bromophenyl-phenylether
Concen: 5.249 ng
RT: 10.986 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:248 Resp: 31653

Ion	Ratio	Lower	Upper
248	100		
250	92.7	78.6	118.0
141	73.6	54.9	82.3

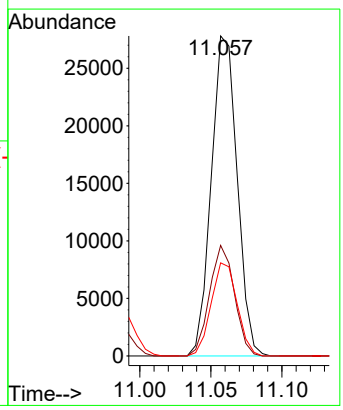


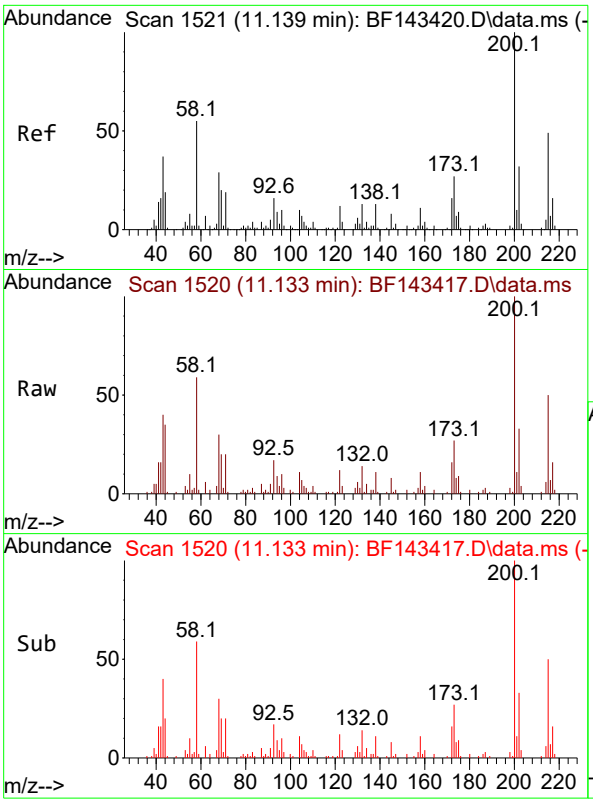


#68
Hexachlorobenzene
Concen: 5.494 ng
RT: 11.057 min Scan# 1507
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:284 Resp: 35216

Ion	Ratio	Lower	Upper
284	100		
142	34.5	25.4	38.2
249	29.1	25.4	38.0



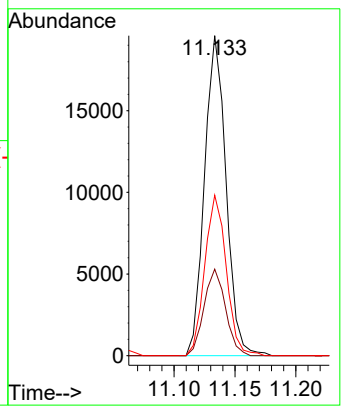


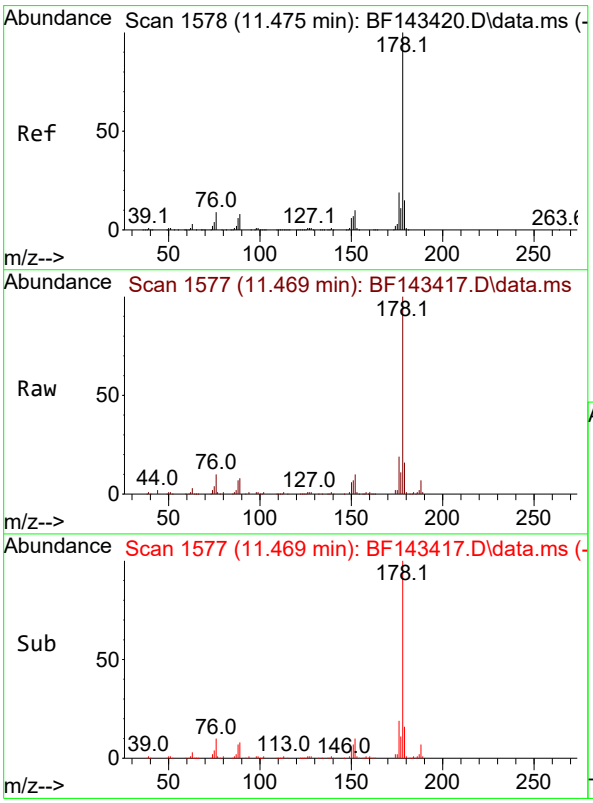
#69
Atrazine
Concen: 4.952 ng
RT: 11.133 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:200 Resp: 24051

Ion	Ratio	Lower	Upper
200	100		
173	27.1	6.6	46.6
215	50.1	29.5	69.5

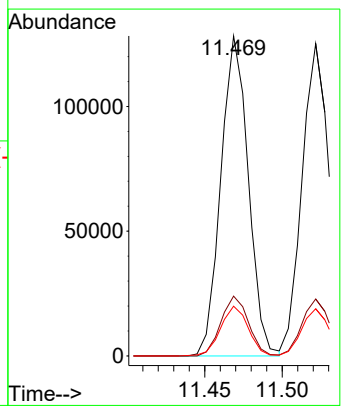


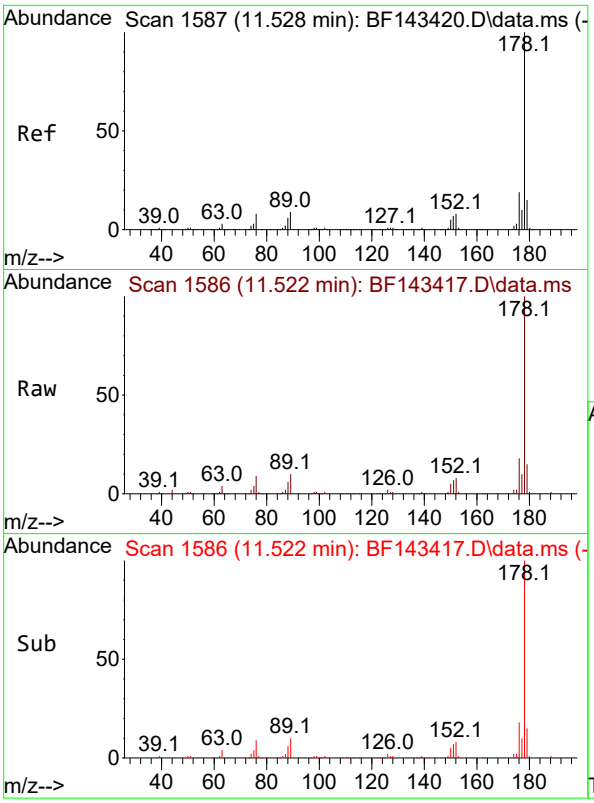


#71
Phenanthrene
Concen: 5.713 ng
RT: 11.469 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:178 Resp: 157990

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.0
179	15.6	12.3	18.5



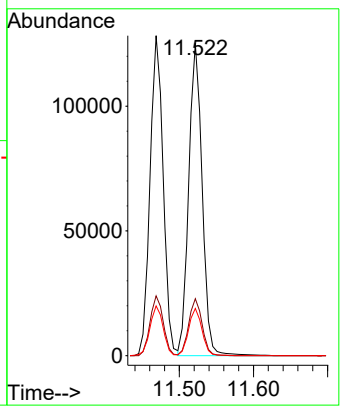


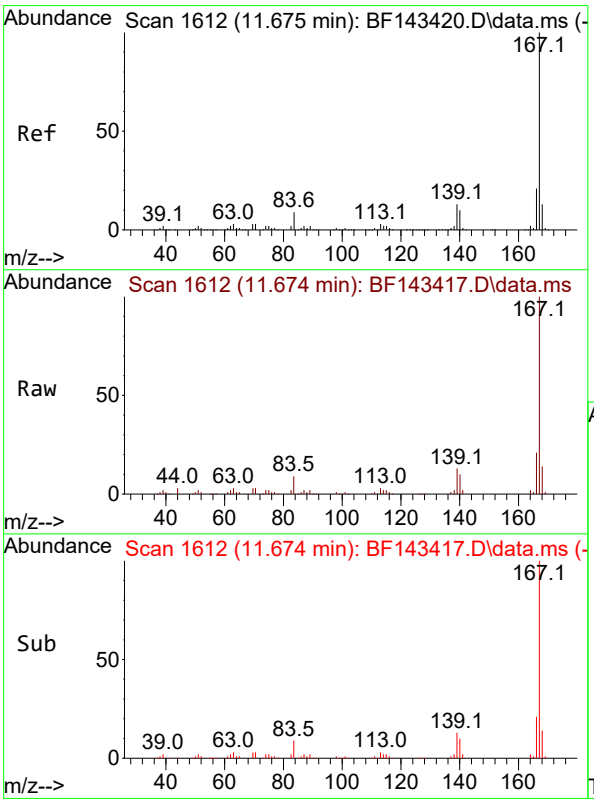
#72
Anthracene
Concen: 5.649 ng
RT: 11.522 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 157773

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.8	22.2
179	15.1	12.2	18.4

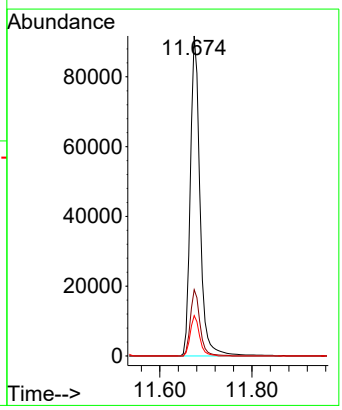


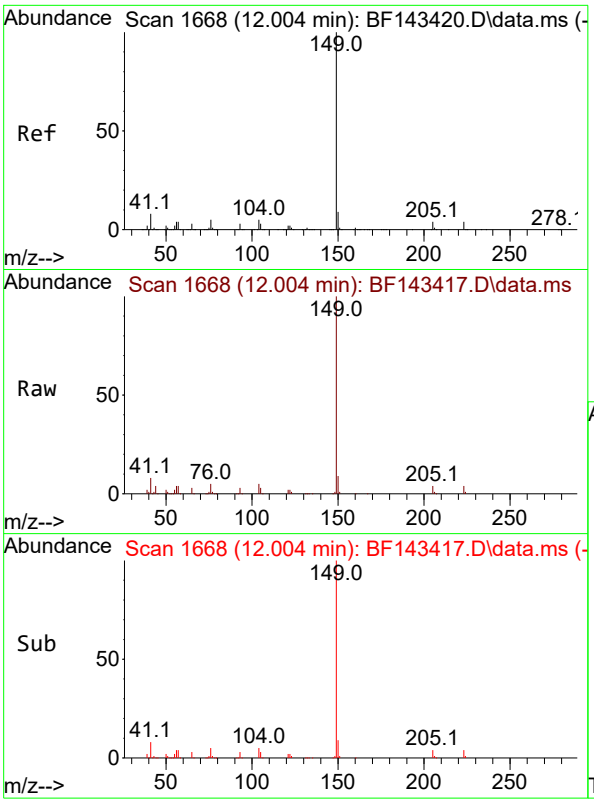


#73
Carbazole
Concen: 5.643 ng
RT: 11.674 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:167 Resp: 133302

Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.2	25.8
139	12.6	10.1	15.1



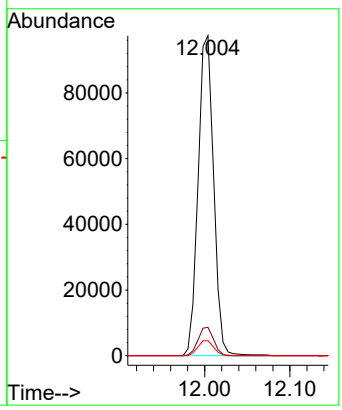


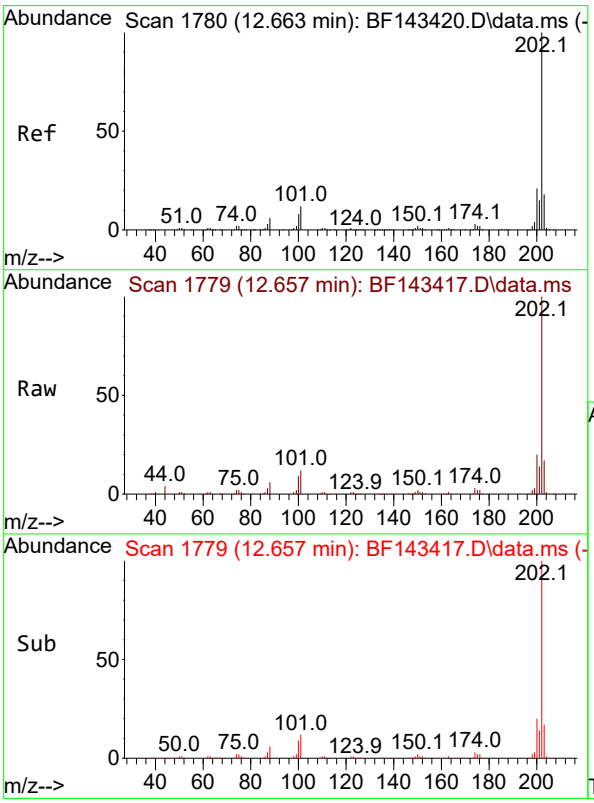
#74
Di-n-butylphthalate
Concen: 5.238 ng
RT: 12.004 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 123223

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.3	10.9
104	4.7	3.8	5.6

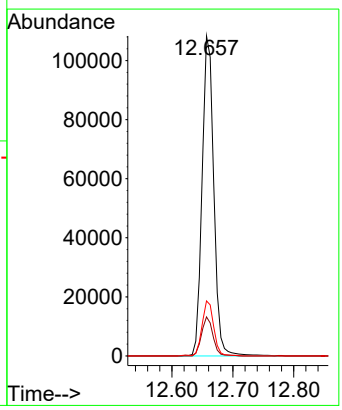


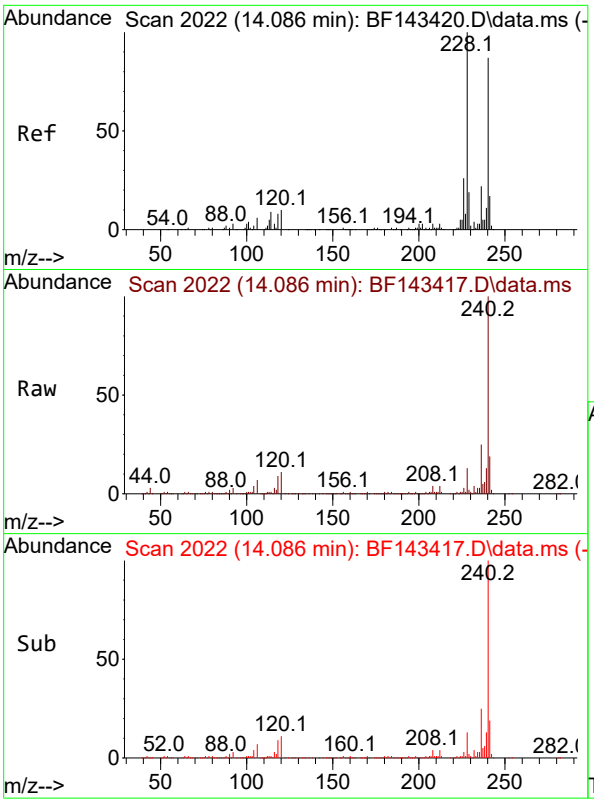


#75
Fluoranthene
Concen: 5.863 ng
RT: 12.657 min Scan# 1779
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:202 Resp: 144049

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	31.5
203	17.2	0.0	37.5



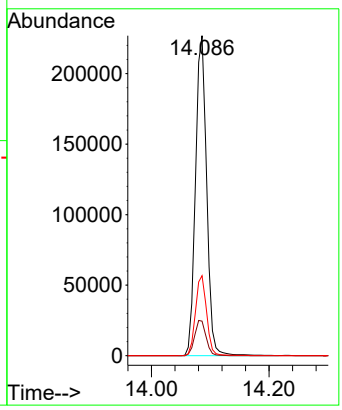


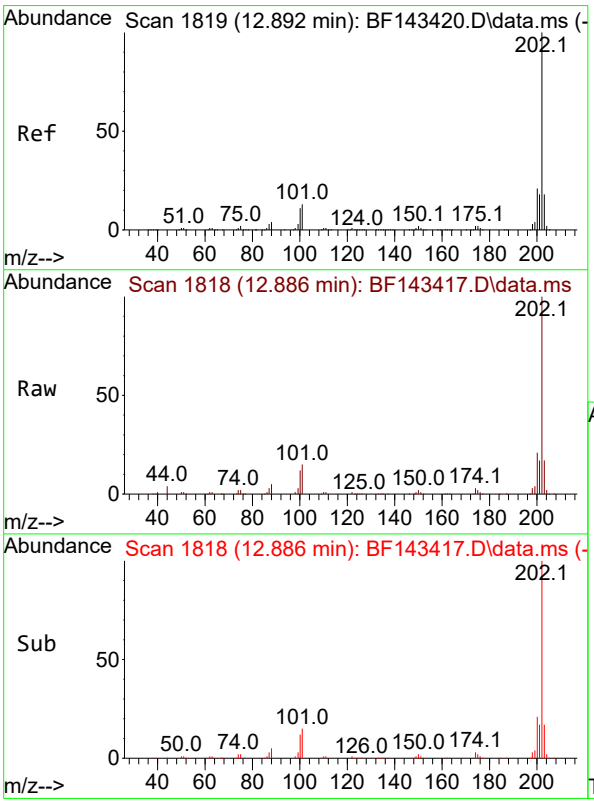
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:240 Resp: 299111

Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.0	13.4
236	25.0	20.2	30.2

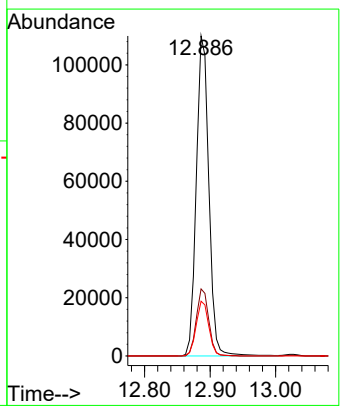


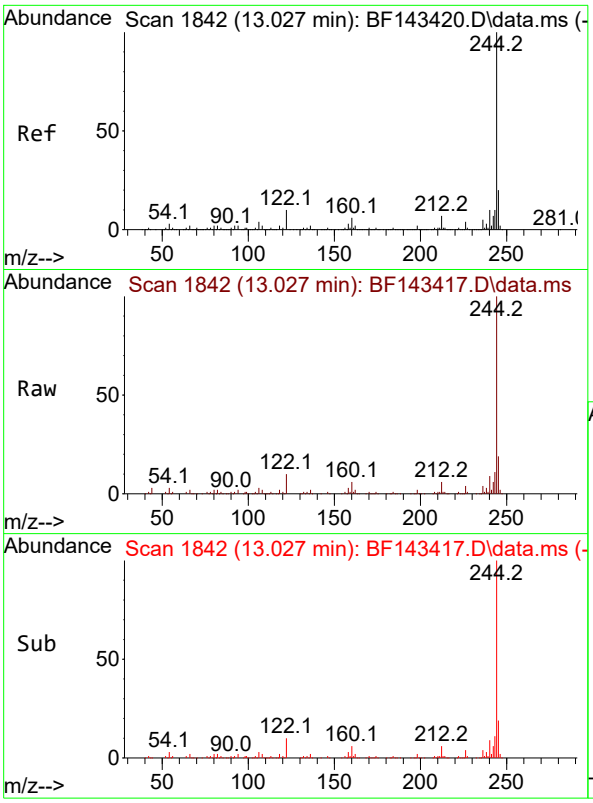


#78
Pyrene
Concen: 5.633 ng
RT: 12.886 min Scan# 1818
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:202 Resp: 146451

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.1	25.7
203	17.1	14.2	21.2



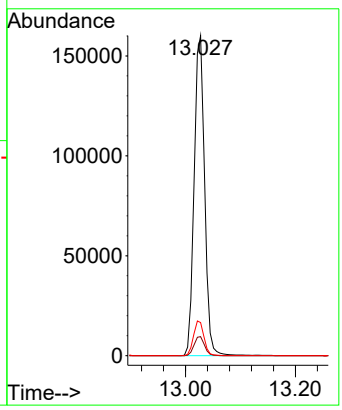


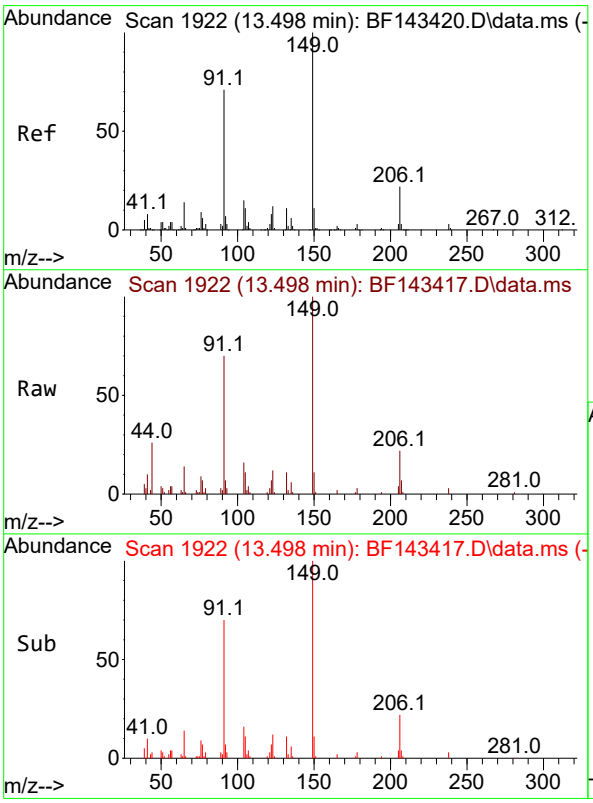
#79
Terphenyl-d14
Concen: 11.881 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:244 Resp: 211547

Ion	Ratio	Lower	Upper
244	100		
212	6.0	5.2	7.8
122	10.4	8.3	12.5

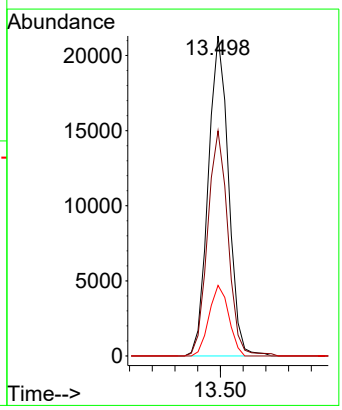


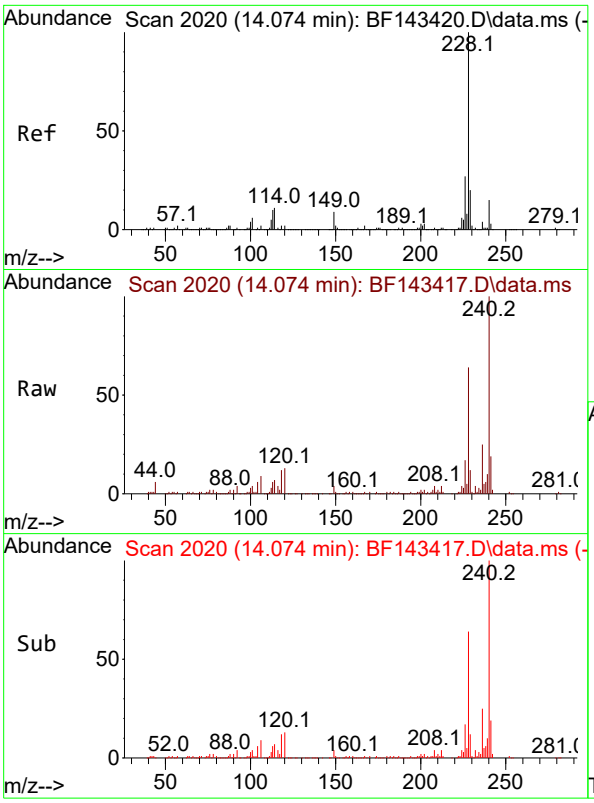


#80
Butylbenzylphthalate
Concen: 4.093 ng
RT: 13.498 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:149 Resp: 26359

Ion	Ratio	Lower	Upper
149	100		
91	70.3	57.0	85.4
206	22.0	17.6	26.4



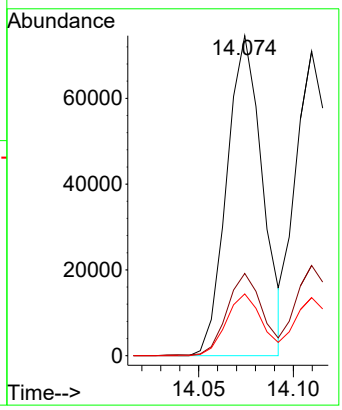


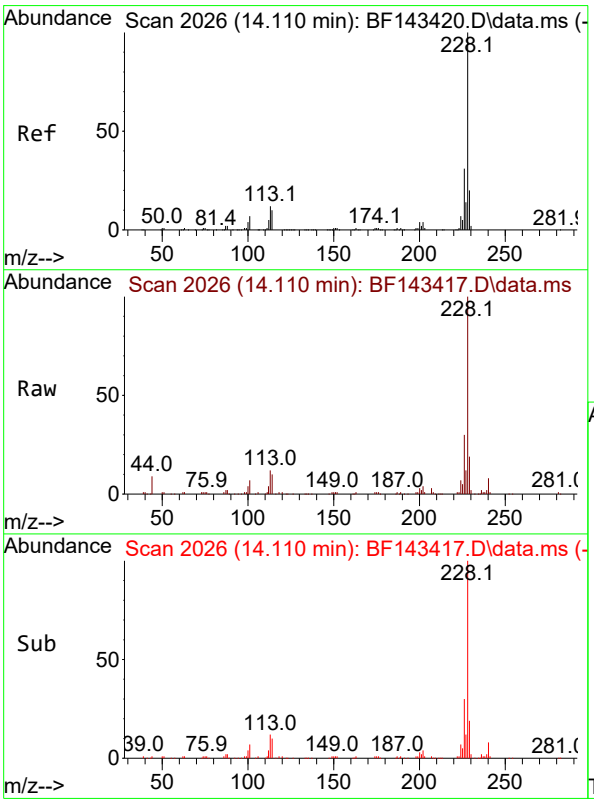
#81
Benzo(a)anthracene
Concen: 5.151 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 98096

Ion	Ratio	Lower	Upper
228	100		
226	25.7	21.5	32.3
229	19.3	15.7	23.5

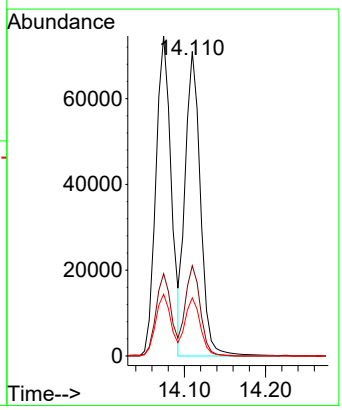


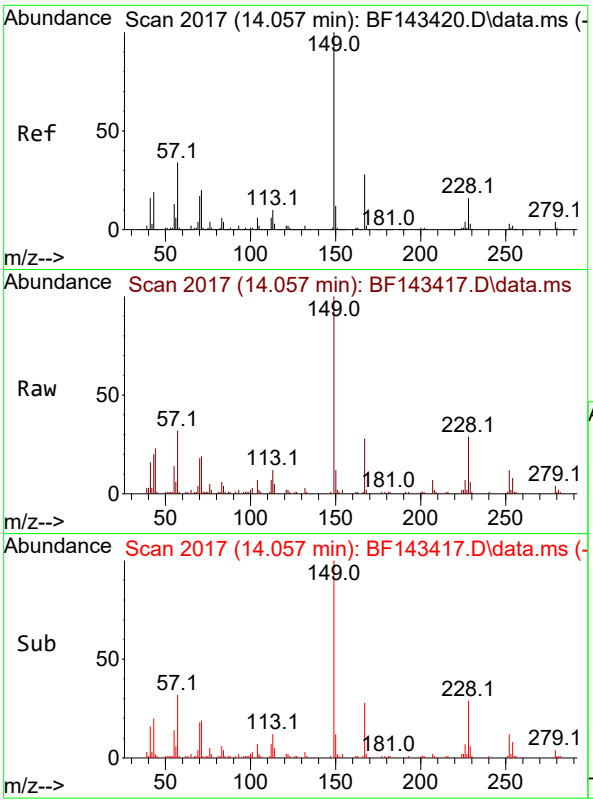


#83
Chrysene
Concen: 5.267 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:228 Resp: 92720

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.3	36.5
229	19.1	16.1	24.1



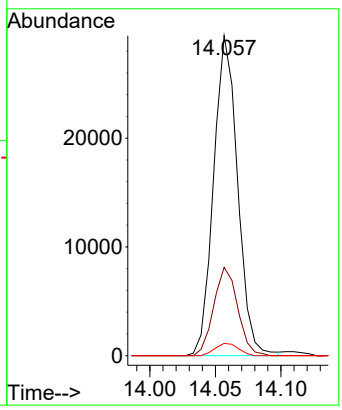


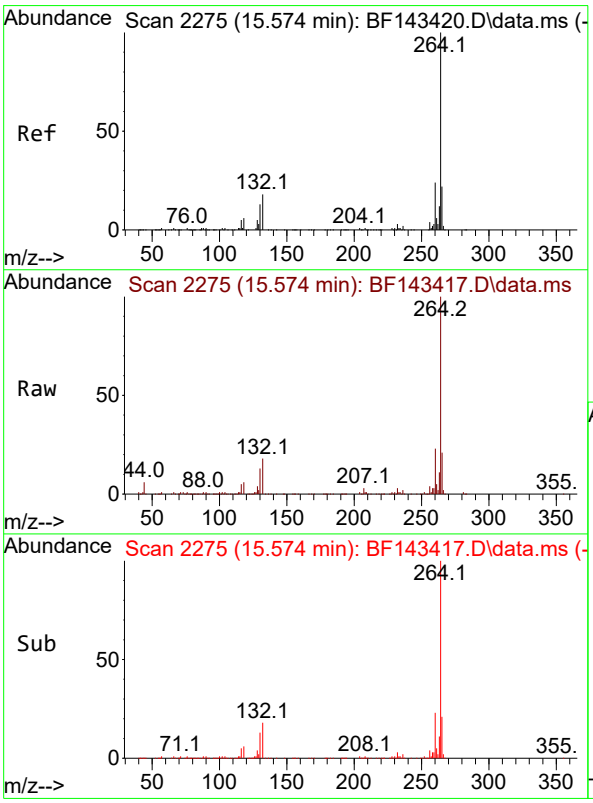
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.092 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 37419

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.6	33.8
279	3.9	3.5	5.3

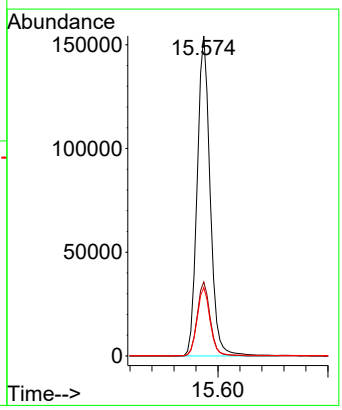


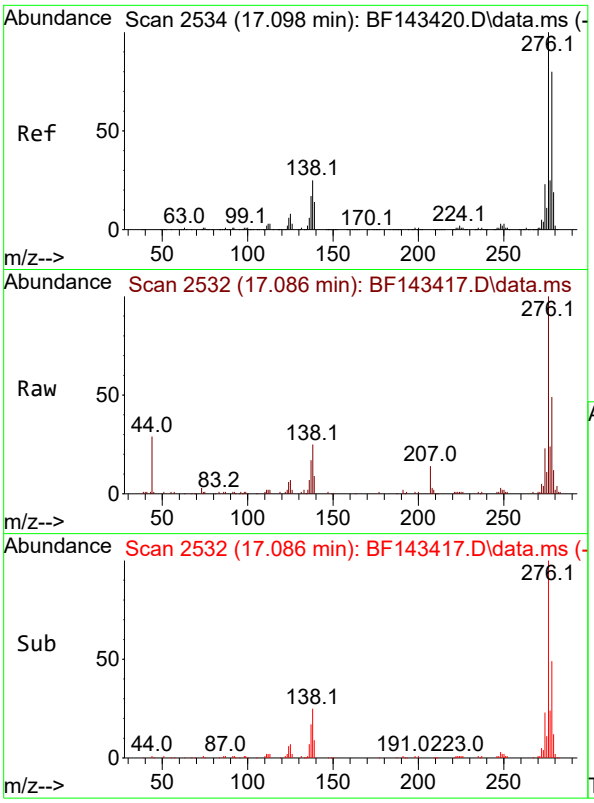


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:264 Resp: 252550

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.8	28.2
265	21.3	17.4	26.0



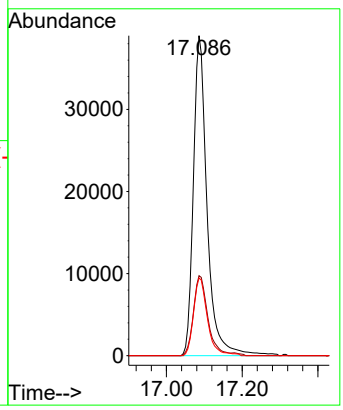


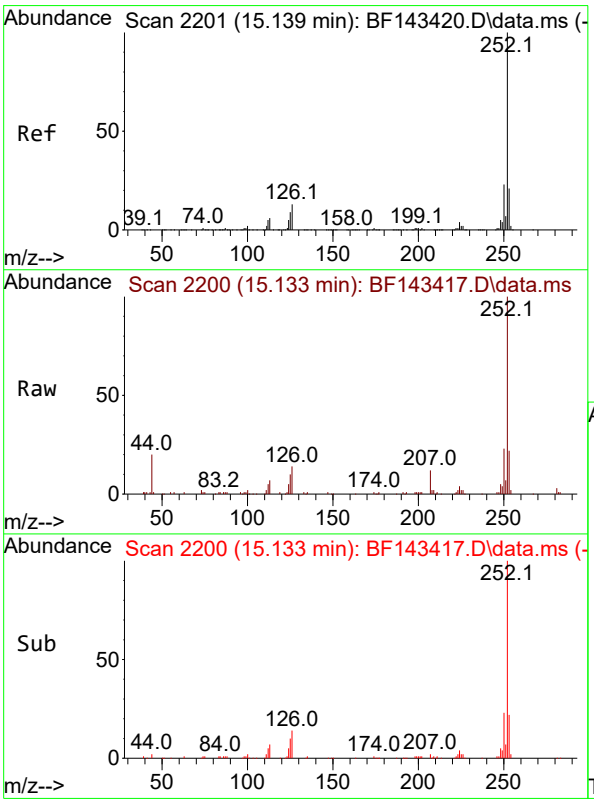
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.198 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 98443

Ion	Ratio	Lower	Upper
276	100		
138	26.2	20.2	30.4
277	24.5	20.2	30.2

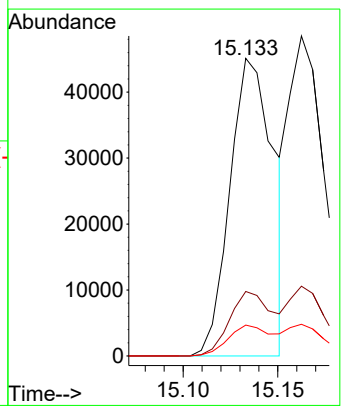


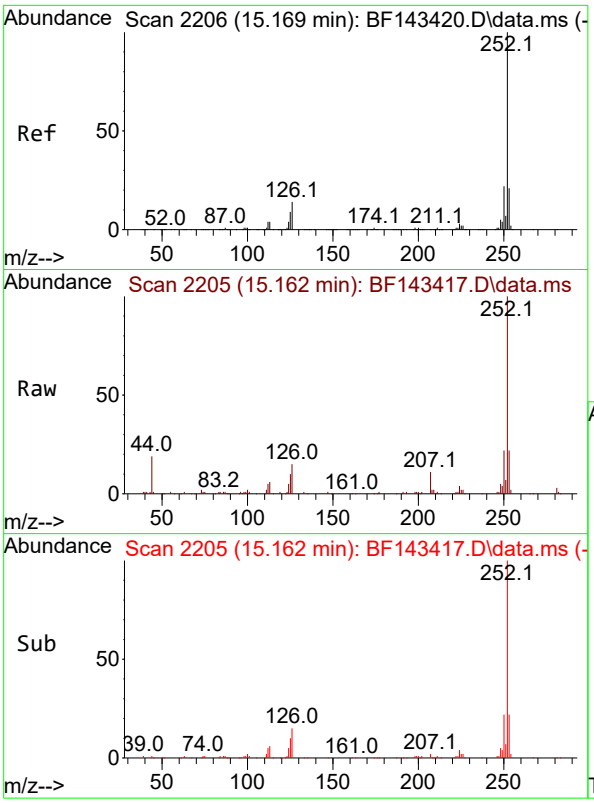


#88
Benzo(b)fluoranthene
Concen: 5.348 ng
RT: 15.133 min Scan# 2200
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:252 Resp: 72392

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	10.4	7.5	11.3



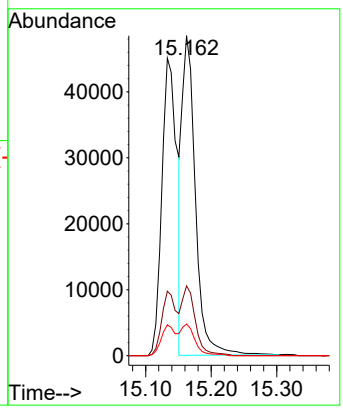


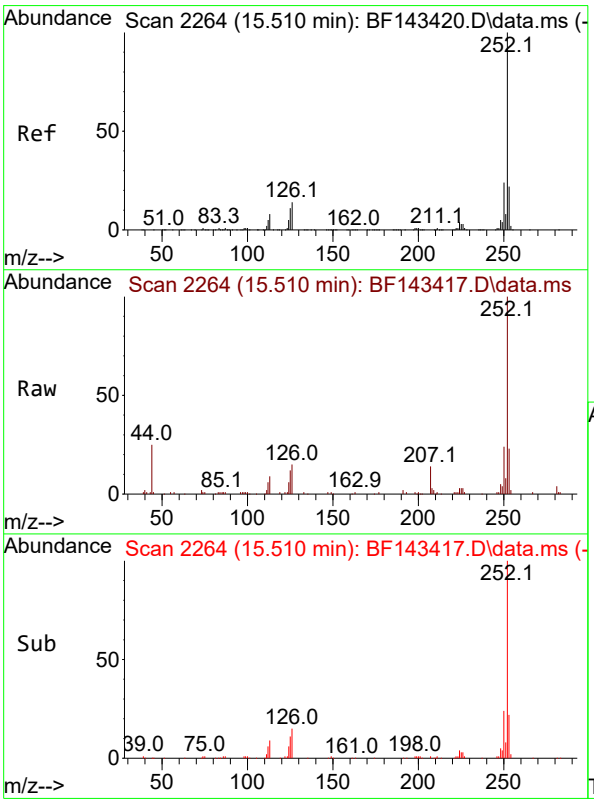
#89
Benzo(k)fluoranthene
Concen: 5.128 ng
RT: 15.162 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 68462

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	9.9	7.4	11.2

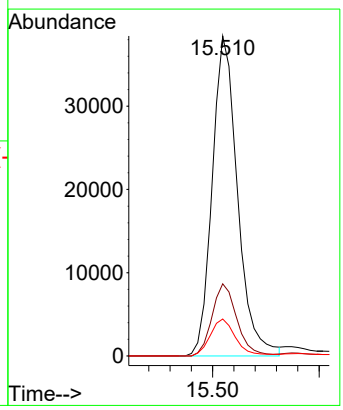


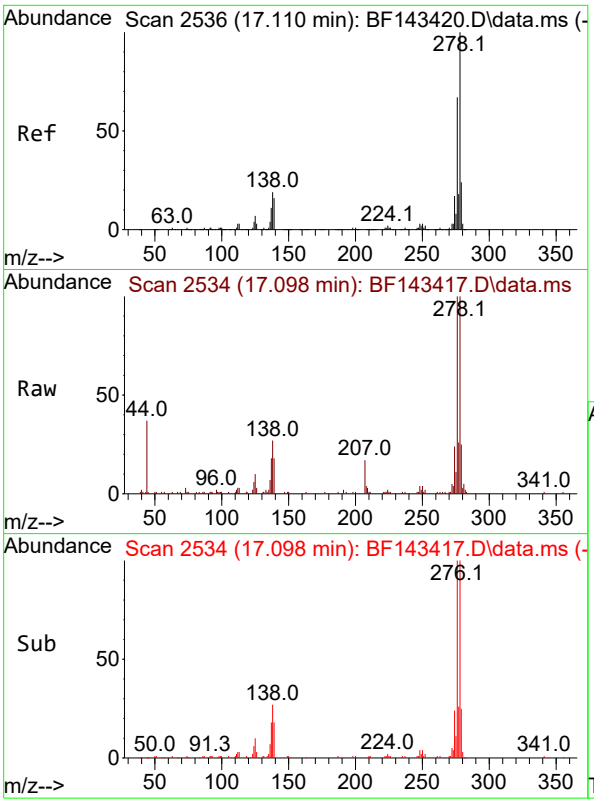


#90
Benzo(a)pyrene
Concen: 4.920 ng
RT: 15.510 min Scan# 2264
Delta R.T. -0.000 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:252 Resp: 63426

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	11.6	8.6	12.8



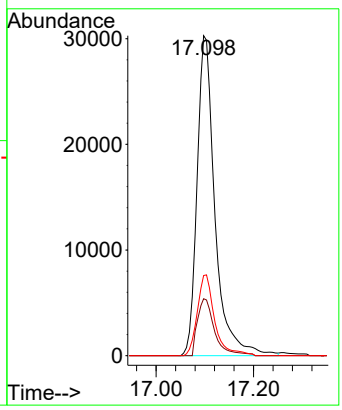


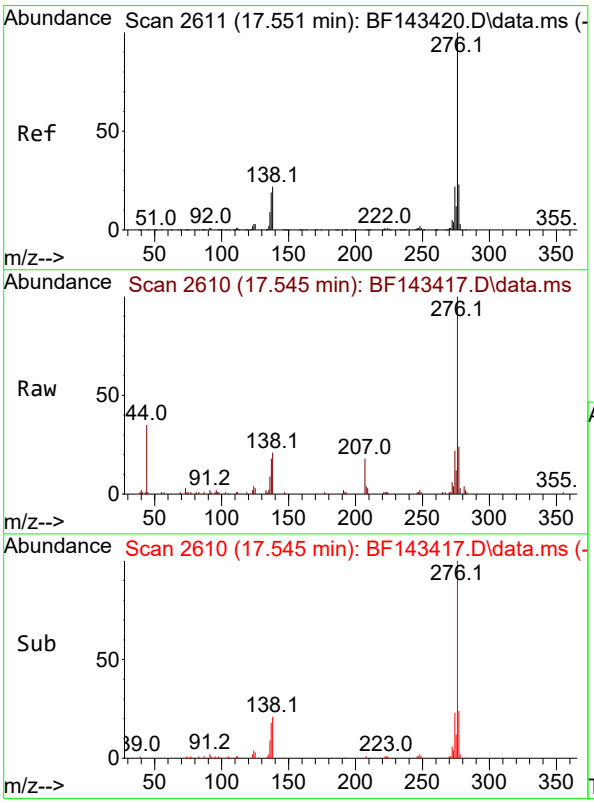
#91
Dibenzo(a,h)anthracene
Concen: 5.092 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:278 Resp: 77441

Ion	Ratio	Lower	Upper
278	100		
139	17.8	12.9	19.3
279	25.0	19.0	28.4

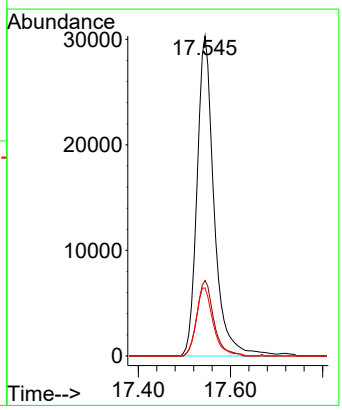




#92
Benzo(g,h,i)perylene
Concen: 5.136 ng
RT: 17.545 min Scan# 2610
Delta R.T. -0.006 min
Lab File: BF143417.D
Acq: 15 Aug 2025 14:58

Tgt Ion:276 Resp: 78027

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.7	28.1
138	21.3	17.5	26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143418.D
Acq On : 15 Aug 2025 15:28
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 15 18:25:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	126172	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	489700	20.000	ng		0.00
39) Acenaphthene-d10	9.963	164	268983	20.000	ng		0.00
64) Phenanthrene-d10	11.445	188	437552	20.000	ng		0.00
76) Chrysene-d12	14.086	240	267863	20.000	ng		0.00
86) Perylene-d12	15.574	264	237224	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.557	112	147543	20.328	ng		0.00
7) Phenol-d6	6.551	99	188455	20.603	ng		0.00
23) Nitrobenzene-d5	7.481	82	162906	19.740	ng		0.00
42) 2,4,6-Tribromophenol	10.745	330	47446	19.817	ng		0.00
45) 2-Fluorobiphenyl	9.281	172	360367	22.534	ng		0.00
79) Terphenyl-d14	13.022	244	341694	21.429	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.722	88	35300	10.104	ng		97
3) Pyridine	3.522	79	86732	9.465	ng		99
4) n-Nitrosodimethylamine	3.434	42	40435	9.494	ng	#	98
6) Aniline	6.587	93	124989	10.065	ng		98
8) 2-Chlorophenol	6.716	128	81382	10.156	ng		98
9) Benzaldehyde	6.475	77	65816	13.525	ng		99
10) Phenol	6.569	94	110158	10.320	ng		93
11) bis(2-Chloroethyl)ether	6.651	93	79743	10.079	ng		98
12) 1,3-Dichlorobenzene	6.869	146	93323	10.397	ng		99
13) 1,4-Dichlorobenzene	6.945	146	93524	10.436	ng		99
14) 1,2-Dichlorobenzene	7.098	146	89646	10.473	ng		98
15) Benzyl Alcohol	7.063	79	64998	9.636	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.192	45	142528	10.537	ng		99
17) 2-Methylphenol	7.175	107	65382	10.000	ng		97
18) Hexachloroethane	7.440	117	30528	10.008	ng		99
19) n-Nitroso-di-n-propyla...	7.328	70	59208	10.456	ng		99
20) 3+4-Methylphenols	7.328	107	83322	10.659	ng		91
22) Acetophenone	7.328	105	112365	10.672	ng		100
24) Nitrobenzene	7.498	77	84934	9.847	ng		98
25) Isophorone	7.739	82	157251	9.956	ng		99
26) 2-Nitrophenol	7.822	139	36495	9.127	ng		99
27) 2,4-Dimethylphenol	7.857	122	70092	10.368	ng		97
28) bis(2-Chloroethoxy)met...	7.951	93	99022	10.200	ng		100
29) 2,4-Dichlorophenol	8.069	162	68826	9.987	ng		99
30) 1,2,4-Trichlorobenzene	8.151	180	73076	10.349	ng		96
31) Naphthalene	8.228	128	241652	10.394	ng		100
32) Benzoic acid	7.951	122	27803m	7.945	ng		
33) 4-Chloroaniline	8.275	127	86081	10.258	ng		98
34) Hexachlorobutadiene	8.351	225	45348	10.071	ng		97
35) Caprolactam	8.610	113	18911	9.531	ng		96
36) 4-Chloro-3-methylphenol	8.751	107	71072	10.013	ng		100
37) 2-Methylnaphthalene	8.922	142	166073	10.598	ng		100
38) 1-Methylnaphthalene	9.016	142	159110	10.597	ng		99
40) 1,2,4,5-Tetrachloroben...	9.086	216	78936	10.523	ng		98
41) Hexachlorocyclopentadiene	9.075	237	11930	10.597	ng		98
43) 2,4,6-Trichlorophenol	9.198	196	45852	9.798	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143418.D
Acq On : 15 Aug 2025 15:28
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Quant Time: Aug 15 18:25:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.239	196	48096	9.588	ng	95
46) 1,1'-Biphenyl	9.381	154	204923	10.843	ng	98
47) 2-Chloronaphthalene	9.404	162	157909	10.585	ng	98
48) 2-Nitroaniline	9.498	65	42604	9.597	ng	99
49) Acenaphthylene	9.822	152	225908	10.488	ng	99
50) Dimethylphthalate	9.669	163	173912	10.371	ng	100
51) 2,6-Dinitrotoluene	9.733	165	30248	9.150	ng	95
52) Acenaphthene	9.992	154	151452	10.454	ng	99
53) 3-Nitroaniline	9.904	138	35157	9.547	ng	94
54) 2,4-Dinitrophenol	10.022	184	7904	10.543	ng	95
55) Dibenzofuran	10.163	168	224434	10.739	ng	100
56) 4-Nitrophenol	10.081	139	17626	7.613	ng	94
57) 2,4-Dinitrotoluene	10.139	165	41418	9.397	ng	96
58) Fluorene	10.510	166	177326	11.045	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.286	232	35679	9.397	ng	97
60) Diethylphthalate	10.369	149	165814	10.700	ng	99
61) 4-Chlorophenyl-phenyle...	10.498	204	85166	10.729	ng	99
62) 4-Nitroaniline	10.510	138	34292	9.957	ng	98
63) Azobenzene	10.657	77	162818	10.395	ng	99
65) 4,6-Dinitro-2-methylph...	10.551	198	15949	7.065	ng	92
66) n-Nitrosodiphenylamine	10.610	169	145957	10.259	ng	99
67) 4-Bromophenyl-phenylether	10.986	248	51111	9.892	ng	97
68) Hexachlorobenzene	11.057	284	55212	10.051	ng	98
69) Atrazine	11.133	200	41393	9.947	ng	99
70) Pentachlorophenol	11.257	266	16946	6.949	ng	95
71) Phenanthrene	11.469	178	252765	10.668	ng	100
72) Anthracene	11.522	178	253551	10.595	ng	100
73) Carbazole	11.675	167	217667	10.754	ng	99
74) Di-n-butylphthalate	11.998	149	209808	10.409	ng	100
75) Fluoranthene	12.657	202	236882	11.251	ng	99
77) Benzidine	12.774	184	85270	11.245	ng	99
78) Pyrene	12.886	202	243992	10.480	ng	98
80) Butylbenzylphthalate	13.498	149	49871	8.648	ng	98
81) Benzo(a)anthracene	14.074	228	170857	10.019	ng	99
82) 3,3'-Dichlorobenzidine	14.033	252	40733	8.158	ng	97
83) Chrysene	14.110	228	158897	10.079	ng	98
84) Bis(2-ethylhexyl)phtha...	14.057	149	65928	8.050	ng	98
85) Di-n-octyl phthalate	14.668	149	123077	7.410	ng	99
87) Indeno(1,2,3-cd)pyrene	17.086	276	181838	10.222	ng	99
88) Benzo(b)fluoranthene	15.133	252	118835	9.347	ng	99
89) Benzo(k)fluoranthene	15.163	252	137759	10.985	ng	99
90) Benzo(a)pyrene	15.510	252	120666	9.964	ng	99
91) Dibenzo(a,h)anthracene	17.098	278	148583	10.401	ng	99
92) Benzo(g,h,i)perylene	17.539	276	144617	10.133	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

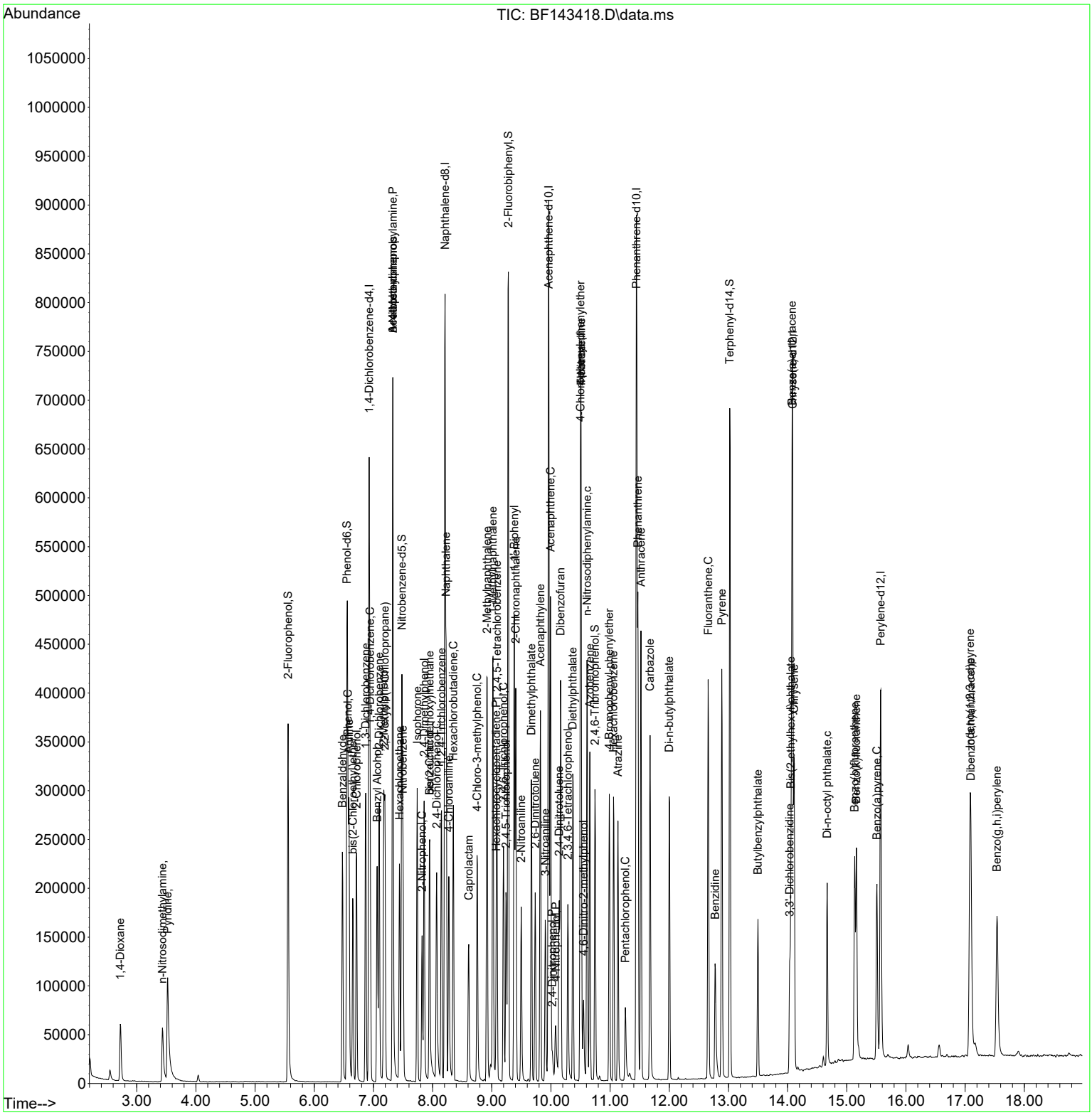
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143418.D
Acq On : 15 Aug 2025 15:28
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

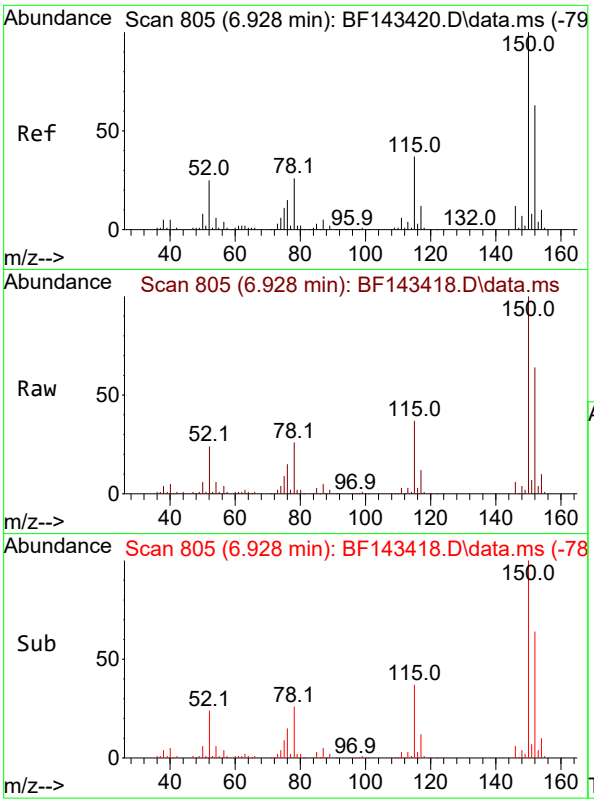
Quant Time: Aug 15 18:25:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

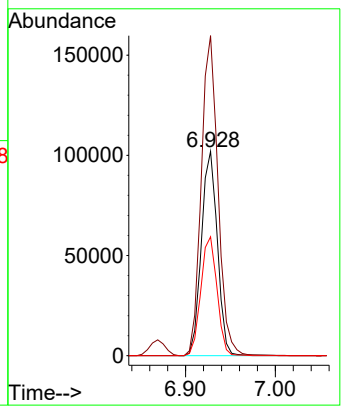




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:152 Resp: 12617

Ion	Ratio	Lower	Upper
152	100		
150	156.7	127.4	191.2
115	58.2	47.5	71.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
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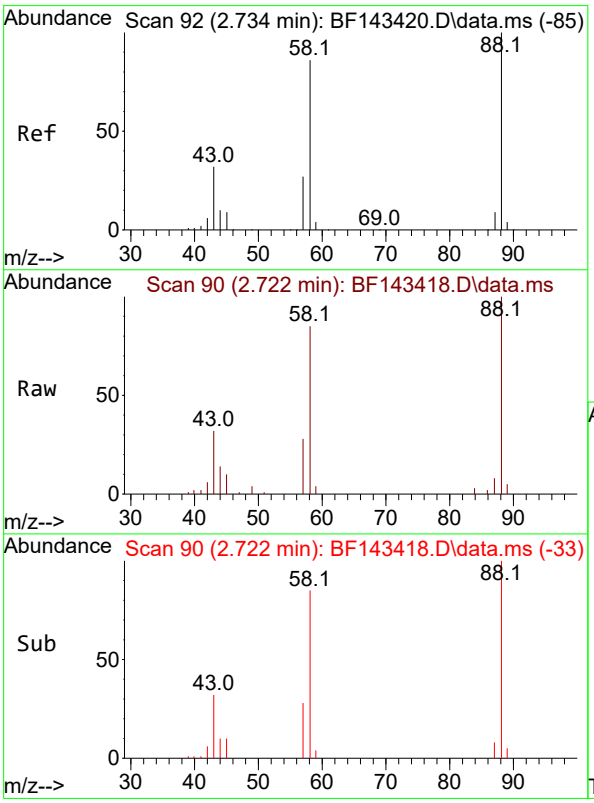
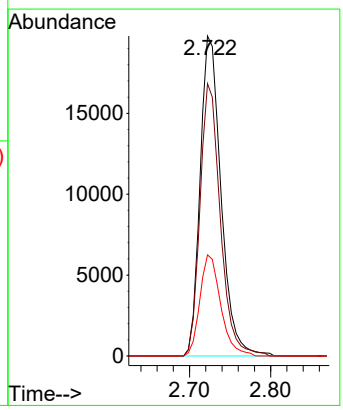
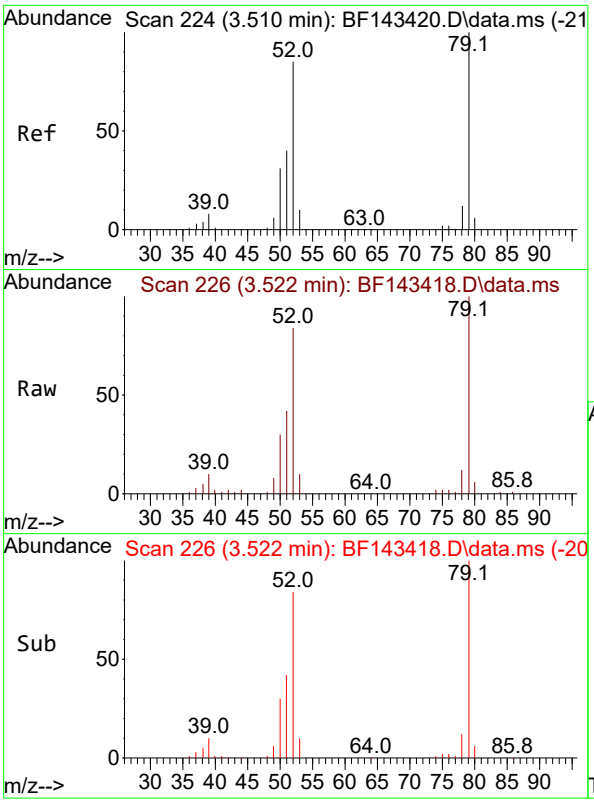


#2
1,4-Dioxane
Concen: 10.104 ng
RT: 2.722 min Scan# 90
Delta R.T. -0.012 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 88 Resp: 35300

Ion	Ratio	Lower	Upper
88	100		
58	82.8	68.7	103.1
43	31.6	26.1	39.1

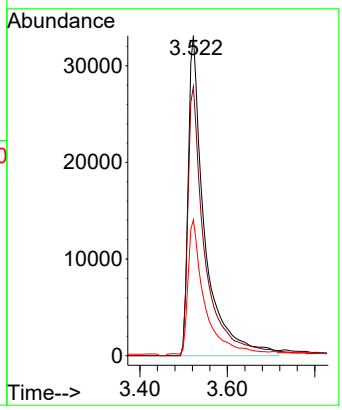




#3
Pyridine
Concen: 9.465 ng
RT: 3.522 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 79 Resp: 8673

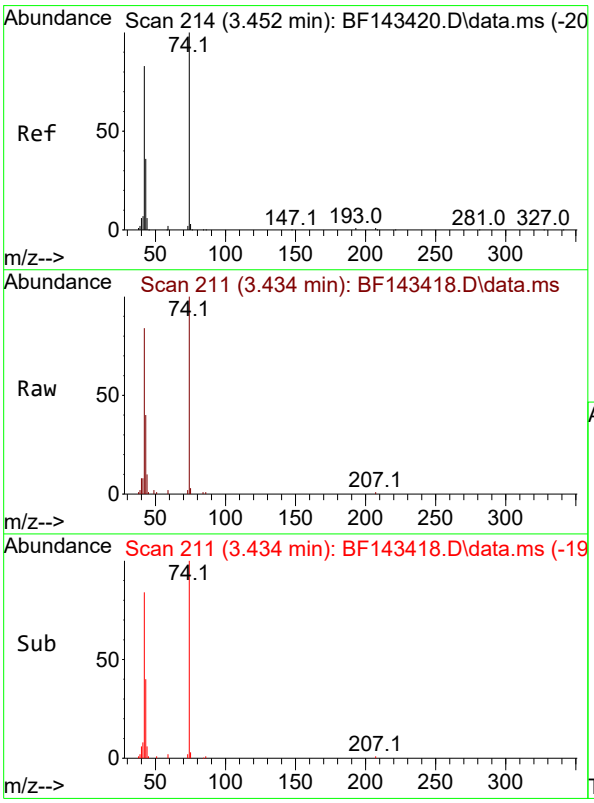
Ion	Ratio	Lower	Upper
79	100		
52	84.1	67.7	101.5
51	42.4	32.3	48.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

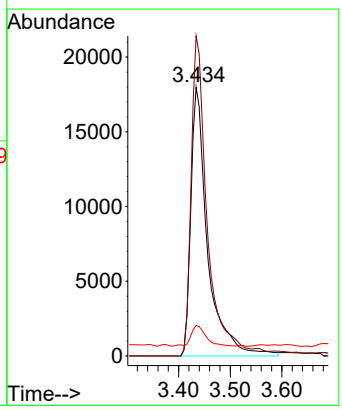
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

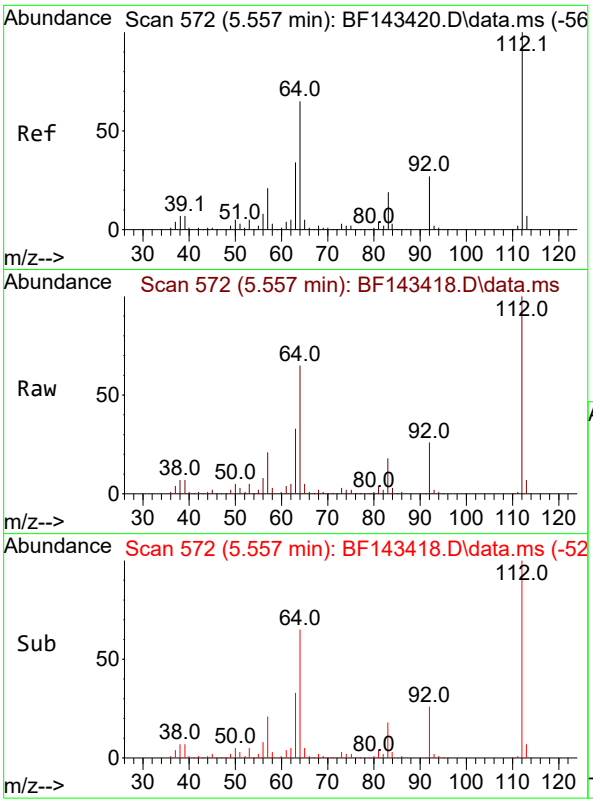


#4
n-Nitrosodimethylamine
Concen: 9.494 ng
RT: 3.434 min Scan# 211
Delta R.T. -0.018 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 42 Resp: 40435

Ion	Ratio	Lower	Upper
42	100		
74	119.0	96.2	144.4
44	11.3	5.9	8.9#

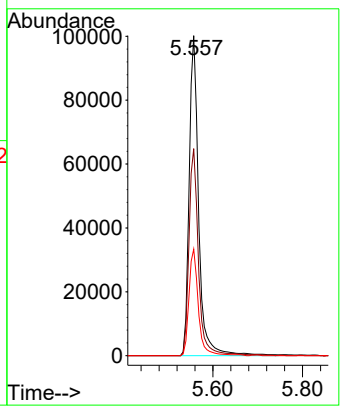




#5
2-Fluorophenol
Concen: 20.328 ng
RT: 5.557 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:112 Resp: 14754

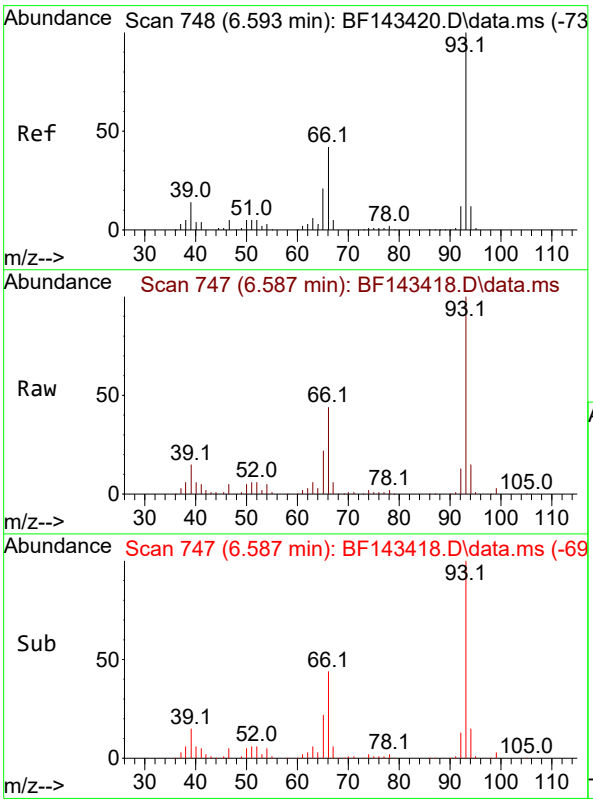
Ion	Ratio	Lower	Upper
112	100		
64	64.7	52.2	78.2
63	33.3	27.0	40.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

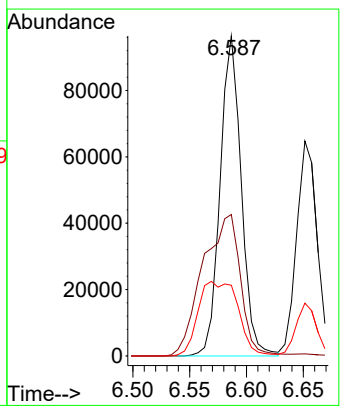
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

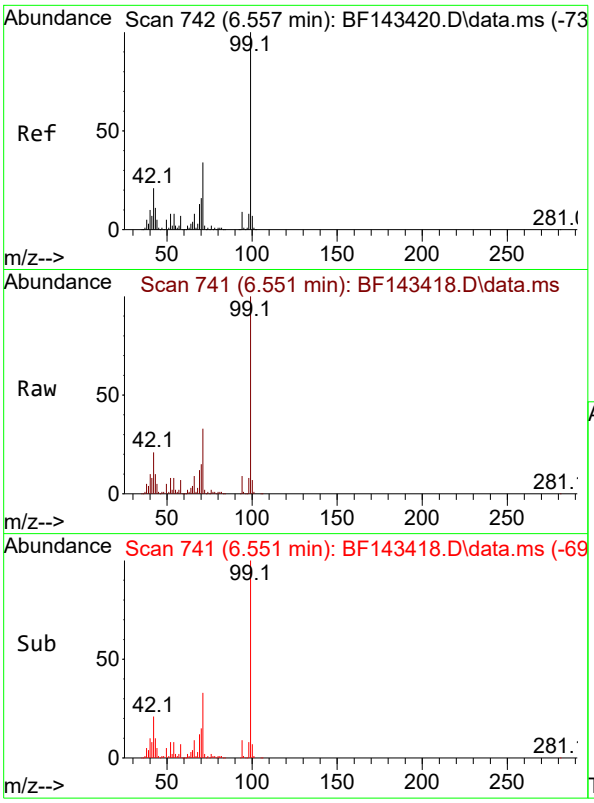


#6
Aniline
Concen: 10.065 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 93 Resp: 124989

Ion	Ratio	Lower	Upper
93	100		
66	44.2	33.8	50.8
65	22.1	17.2	25.8

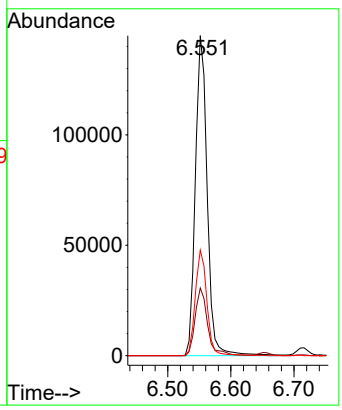




#7
Phenol-d6
Concen: 20.603 ng
RT: 6.551 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 99 Resp: 18845

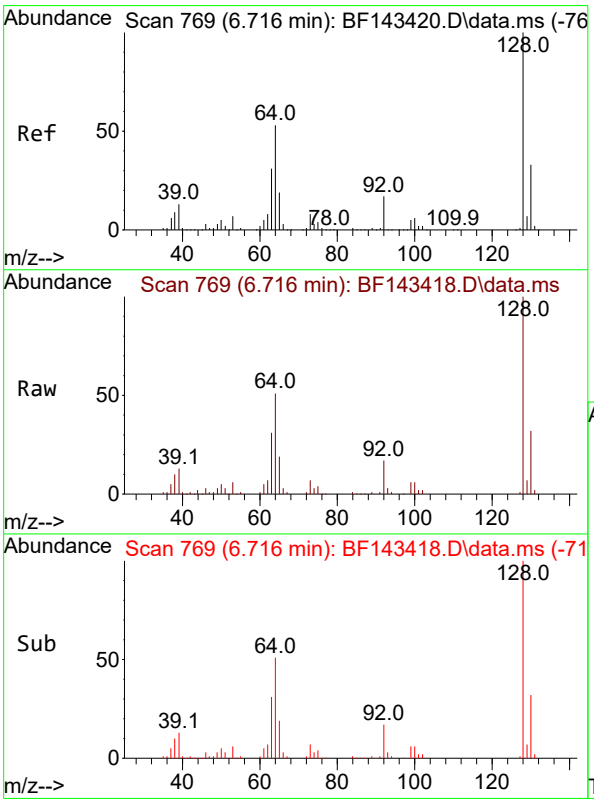
Ion	Ratio	Lower	Upper
99	100		
42	21.1	17.0	25.6
71	33.0	27.4	41.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

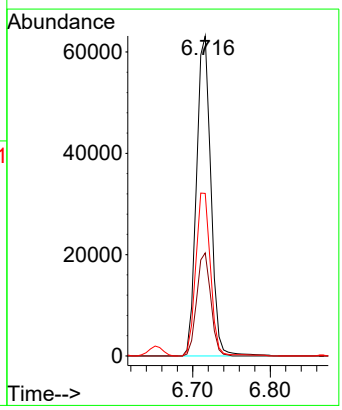
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

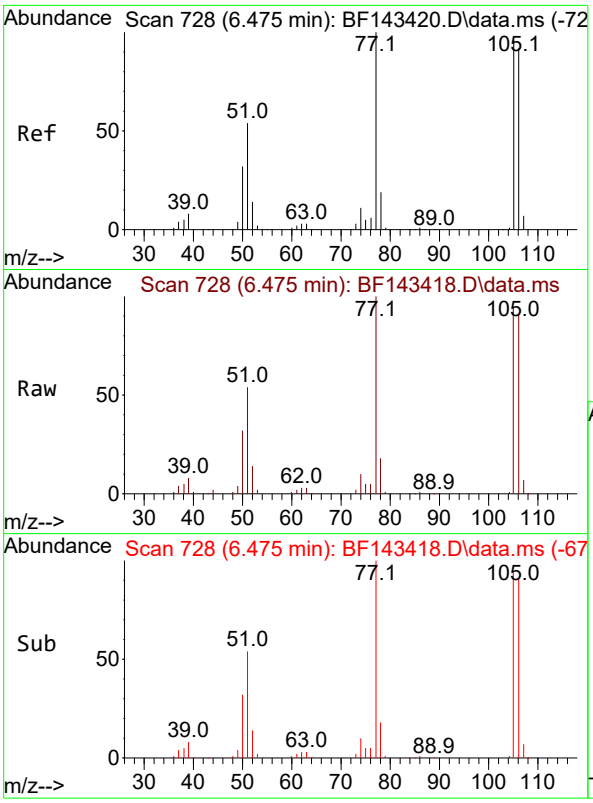


#8
2-Chlorophenol
Concen: 10.156 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:128 Resp: 81382

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.9	52.9
64	50.8	33.1	73.1

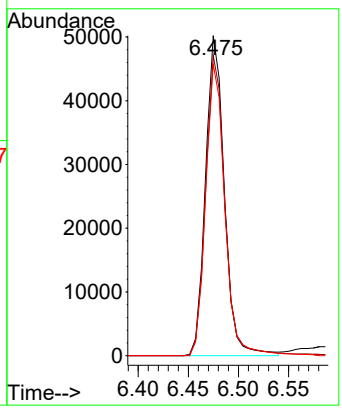




#9
Benzaldehyde
Concen: 13.525 ng
RT: 6.475 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 77 Resp: 6581

Ion	Ratio	Lower	Upper
77	100		
105	93.8	75.5	115.5
106	91.1	72.0	112.0



Instrument :
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ClientSampleId :
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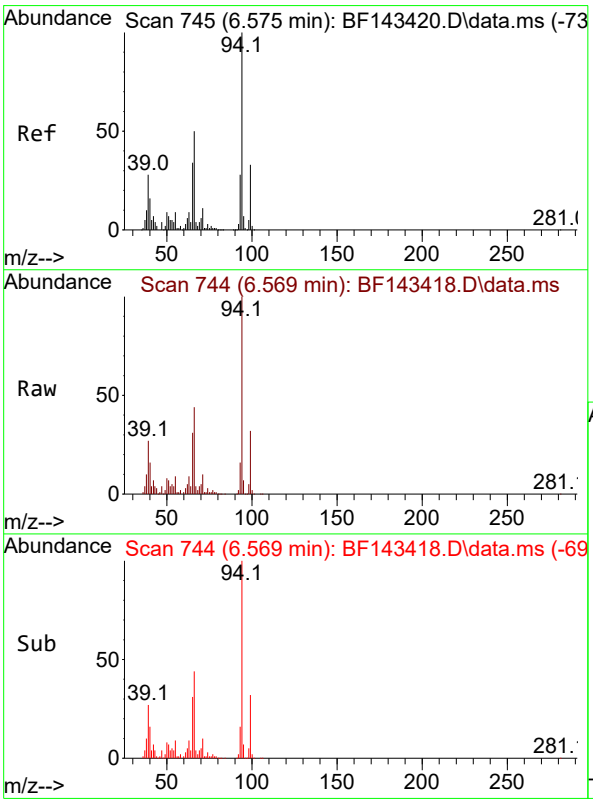
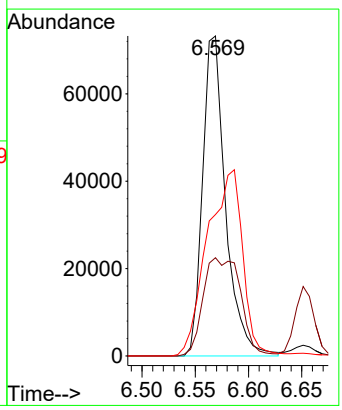
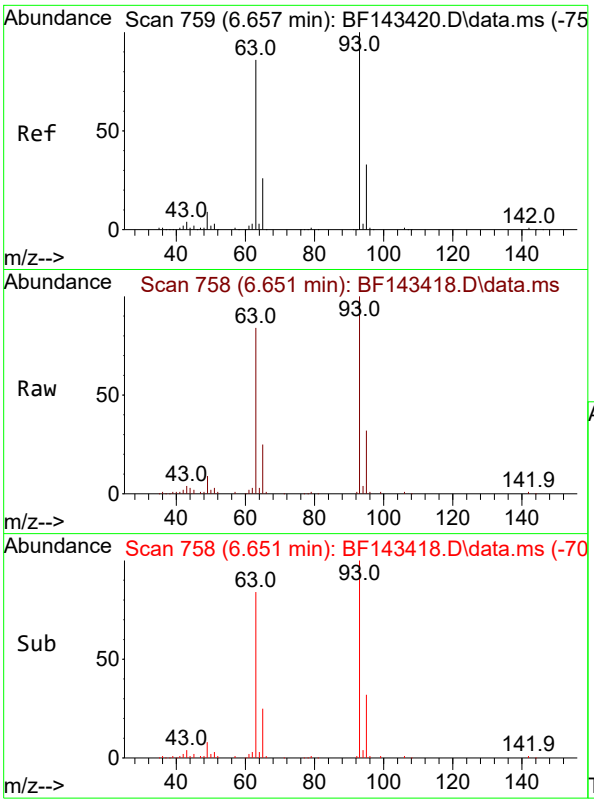


#10
Phenol
Concen: 10.320 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 94 Resp: 110158

Ion	Ratio	Lower	Upper
94	100		
65	30.7	13.7	53.7
66	44.2	30.3	70.3

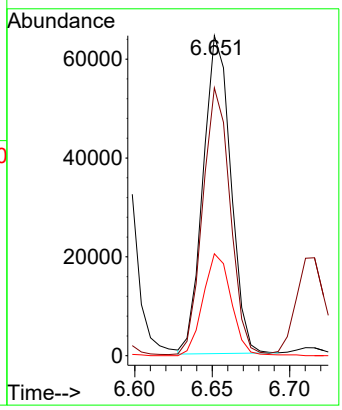




#11
bis(2-Chloroethyl)ether
Concen: 10.079 ng
RT: 6.651 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 93 Resp: 7974

Ion	Ratio	Lower	Upper
93	100		
63	83.7	65.4	105.4
95	31.9	12.8	52.8



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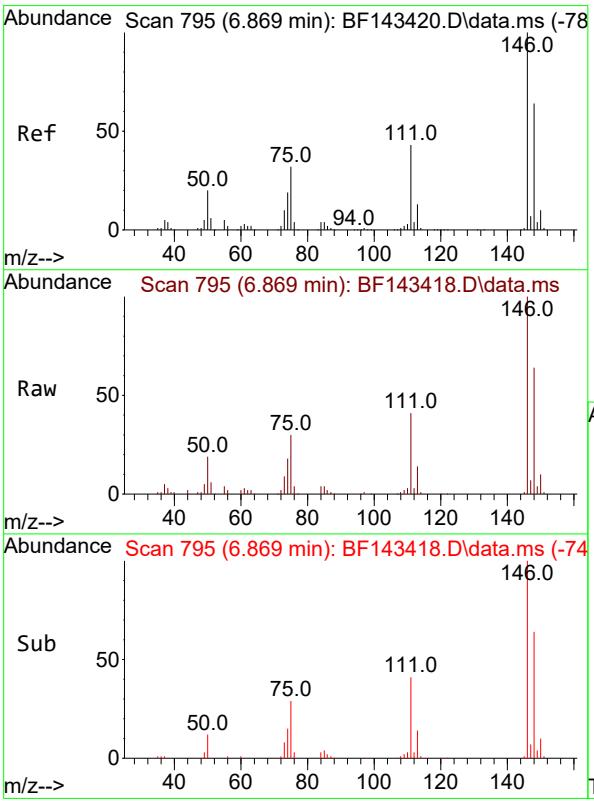
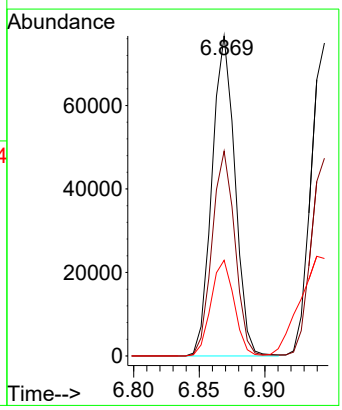
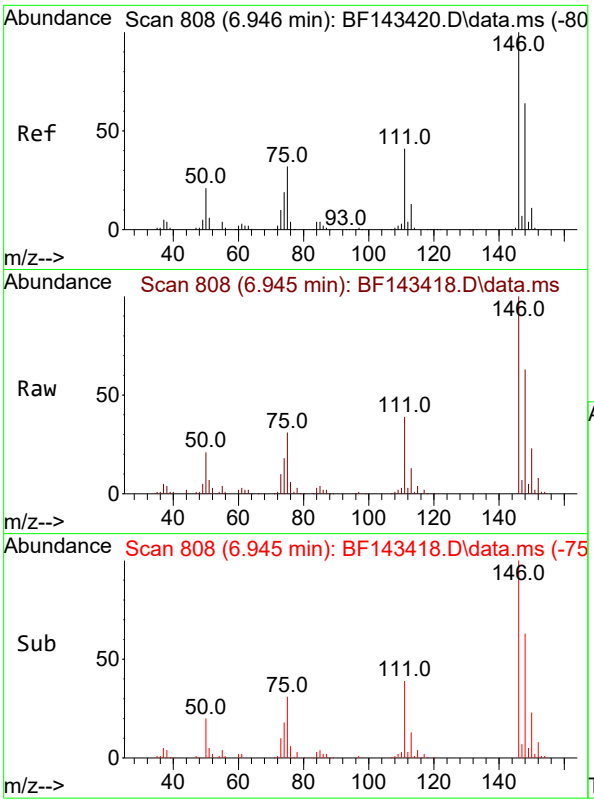


#12
1,3-Dichlorobenzene
Concen: 10.397 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:146 Resp: 93323

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.0	76.4
75	29.9	25.3	37.9

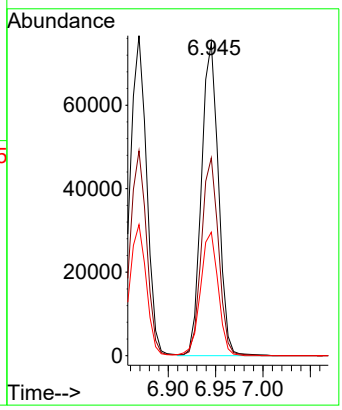




#13
1,4-Dichlorobenzene
Concen: 10.436 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:146 Resp: 9352

Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.1	76.7
111	39.5	32.5	48.7



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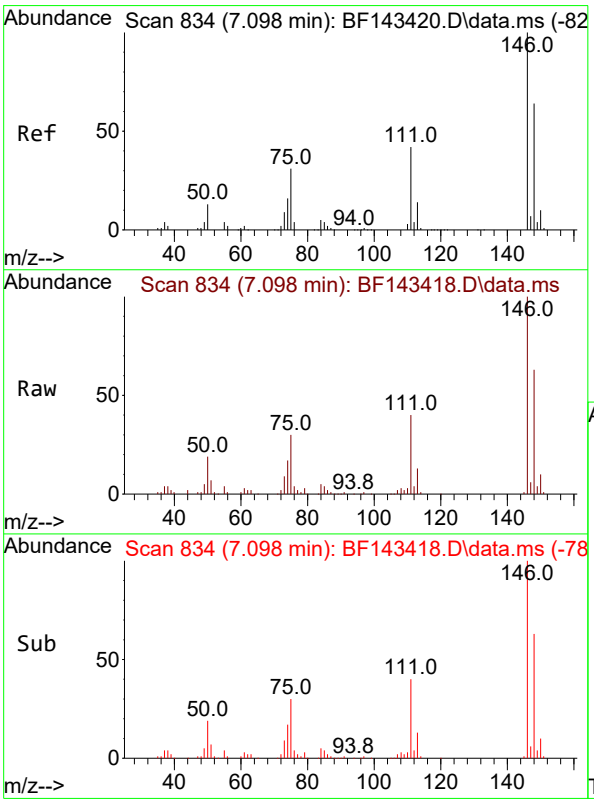
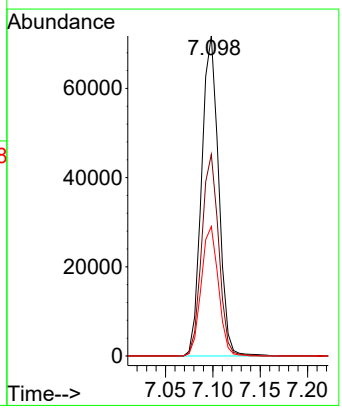
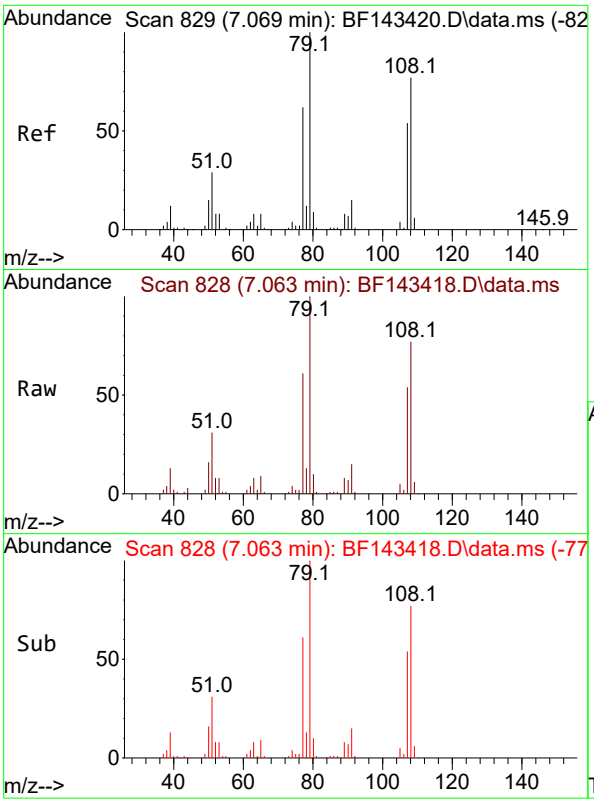


#14
1,2-Dichlorobenzene
Concen: 10.473 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:146 Resp: 89646

Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.4	77.0
111	40.4	33.9	50.9

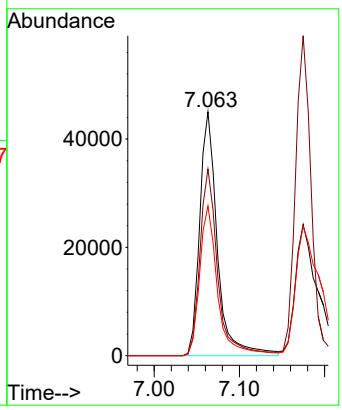




#15
Benzyl Alcohol
Concen: 9.636 ng
RT: 7.063 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 79 Resp: 6499

Ion	Ratio	Lower	Upper
79	100		
108	76.5	61.9	92.9
77	61.4	49.2	73.8



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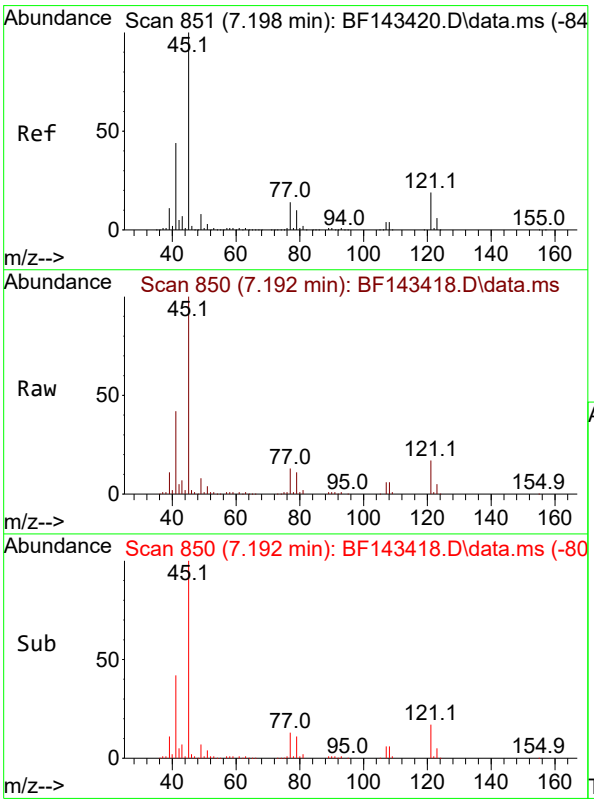
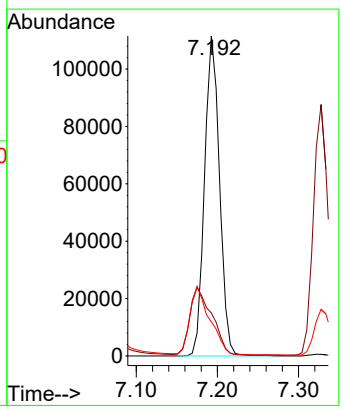
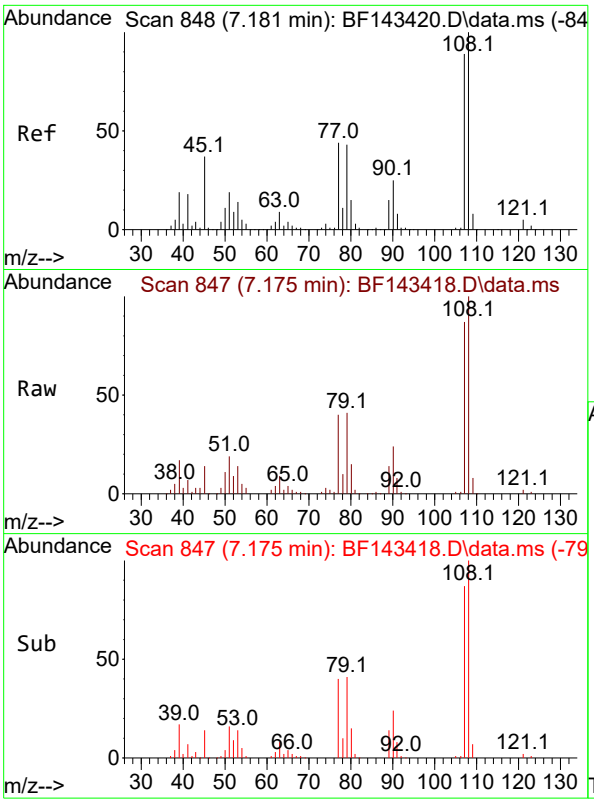


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.537 ng
RT: 7.192 min Scan# 850
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 45 Resp: 142528

Ion	Ratio	Lower	Upper
45	100		
77	13.4	0.0	33.9
79	10.7	0.0	30.7

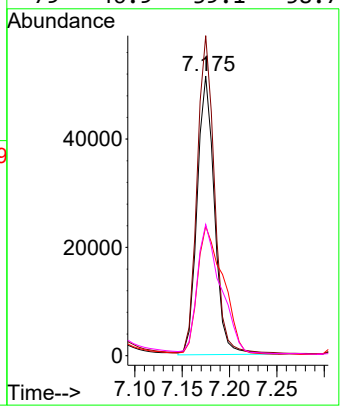




#17
2-Methylphenol
Concen: 10.000 ng
RT: 7.175 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:107 Resp: 6538

Ion	Ratio	Lower	Upper
107	100		
108	114.4	90.1	135.1
77	46.3	39.9	59.9
79	46.9	39.1	58.7



Instrument :
BNA_F
ClientSampleId :
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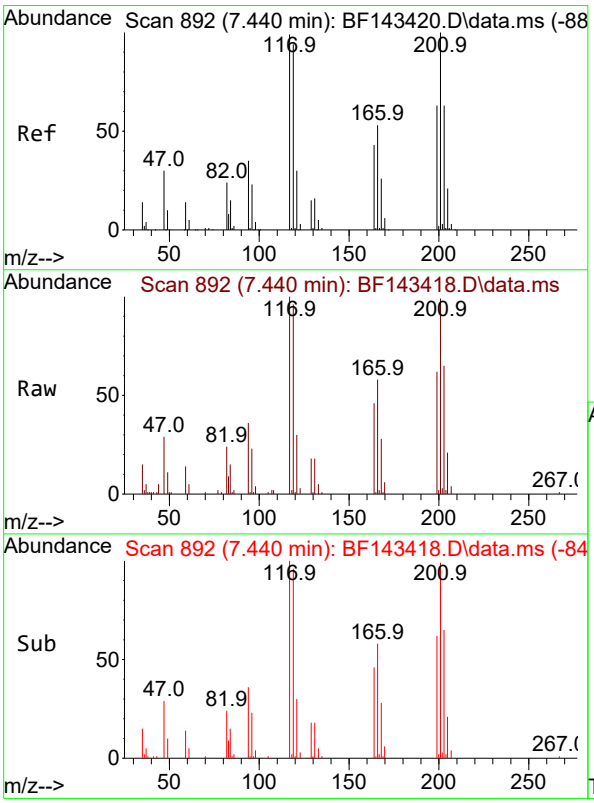
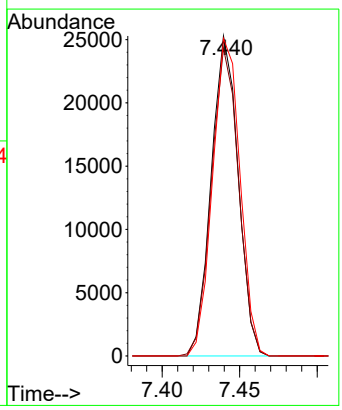
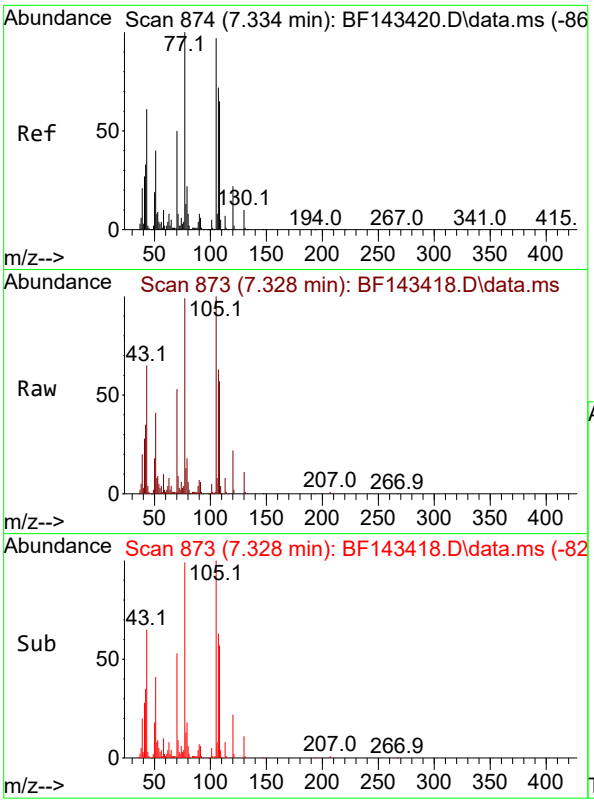


#18
Hexachloroethane
Concen: 10.008 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:117 Resp: 30528

Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.6	114.8
201	99.3	81.0	121.4

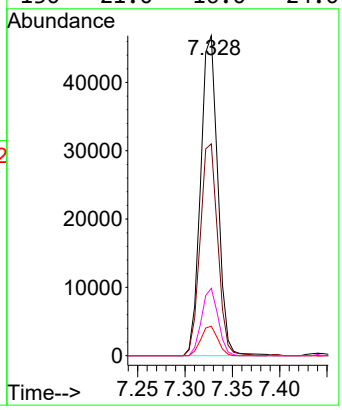




#19
n-Nitroso-di-n-propylamine
Concen: 10.456 ng
RT: 7.328 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 70 Resp: 5920

Ion	Ratio	Lower	Upper
70	100		
42	66.2	52.5	78.7
101	9.2	7.9	11.9
130	21.0	16.0	24.0



Instrument :
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ClientSampleId :
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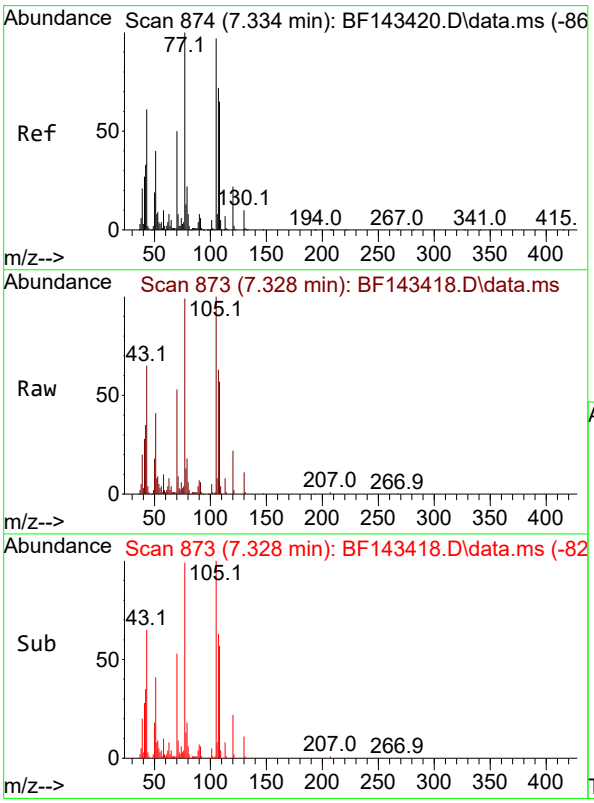
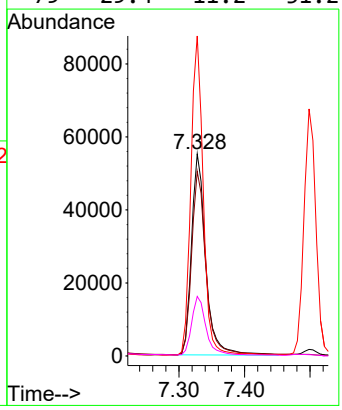
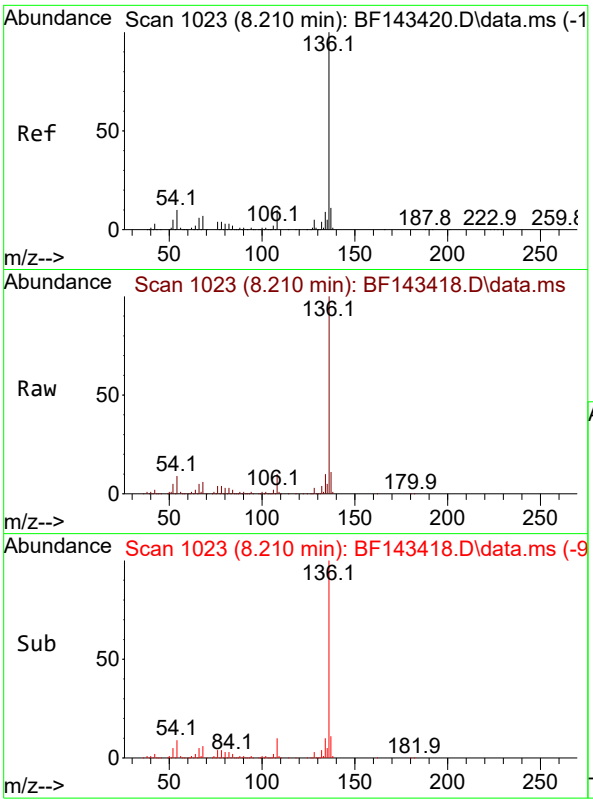


#20
3+4-Methylphenols
Concen: 10.659 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:107 Resp: 83322

Ion	Ratio	Lower	Upper
107	100		
108	91.3	70.8	110.8
77	158.4	119.1	159.1
79	29.4	11.2	51.2

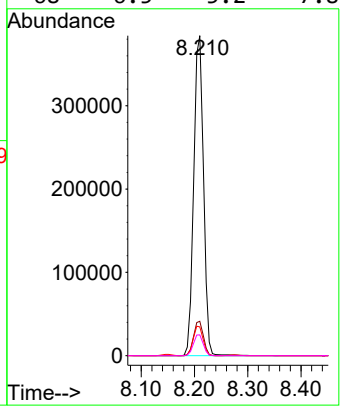




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:136 Resp: 48970

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	9.0	7.8	11.8
68	6.5	5.2	7.8



Instrument :
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ClientSampleId :
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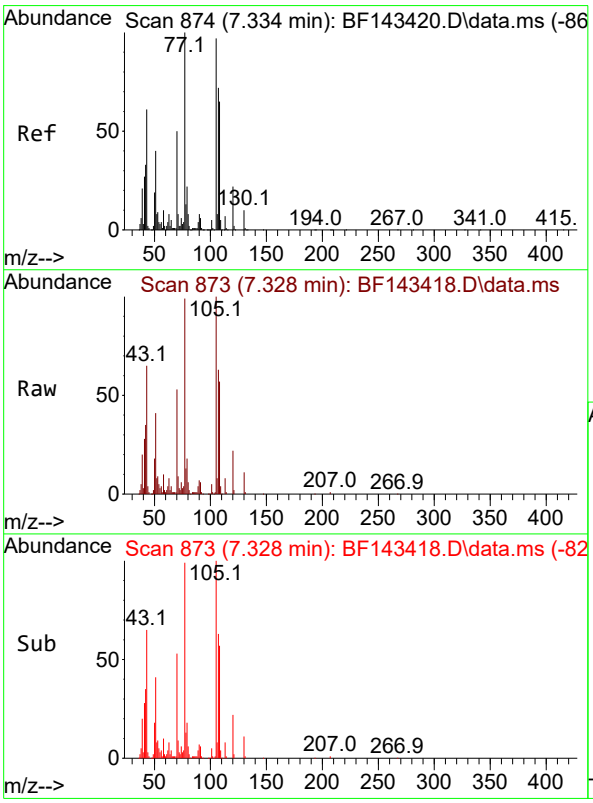
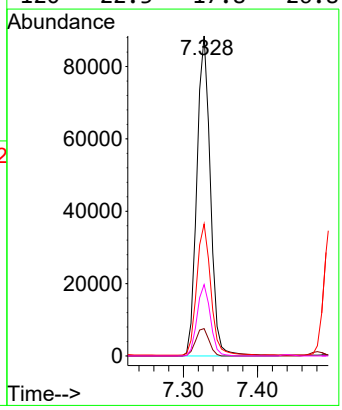
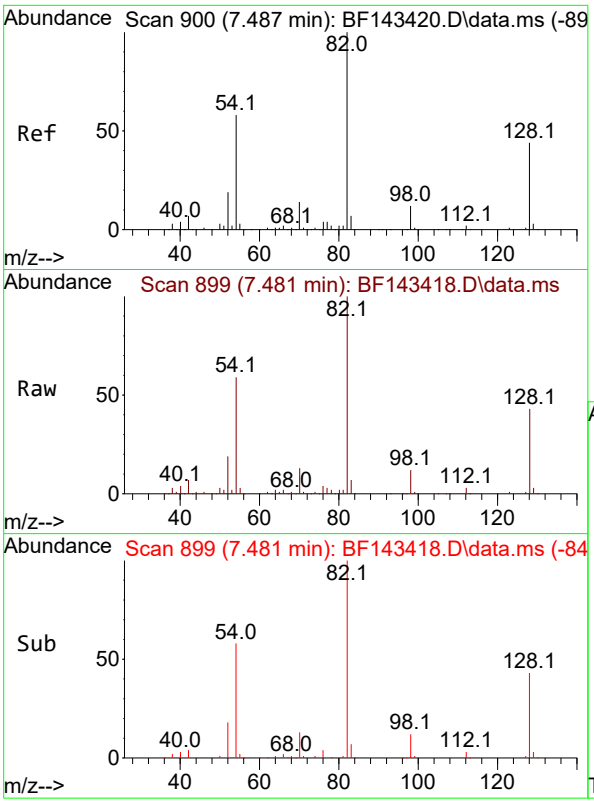


#22
Acetophenone
Concen: 10.672 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:105 Resp: 112365

Ion	Ratio	Lower	Upper
105	100		
71	8.5	7.0	10.4
51	41.3	32.7	49.1
120	22.3	17.8	26.8

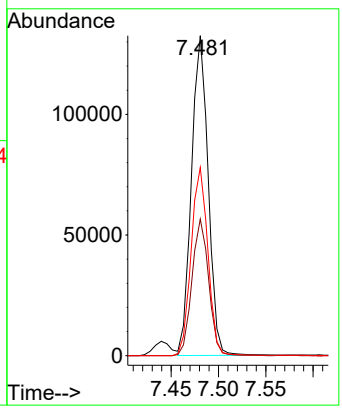




#23
Nitrobenzene-d5
Concen: 19.740 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 82 Resp: 16290

Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.6	52.0
54	58.8	46.0	69.0



Instrument :
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ClientSampleId :
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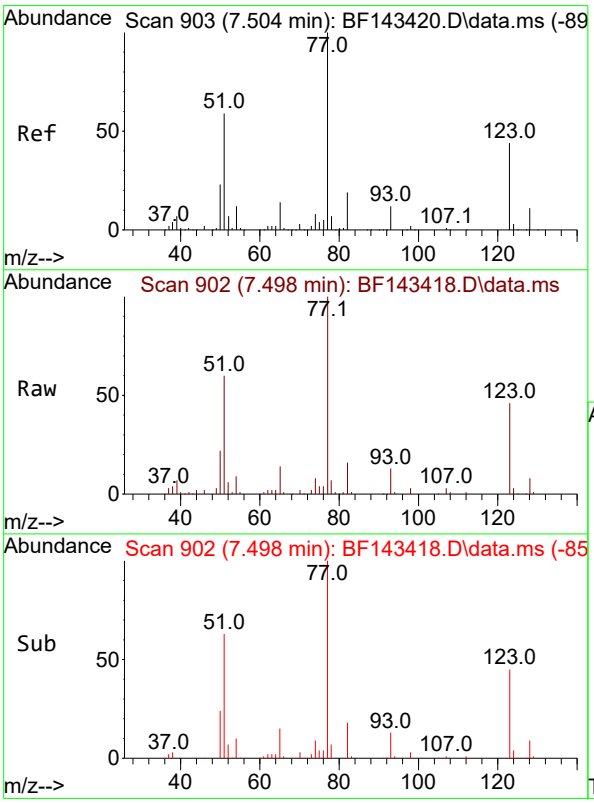
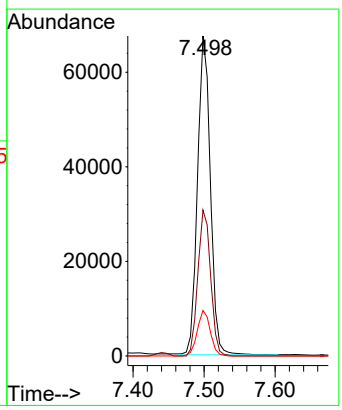
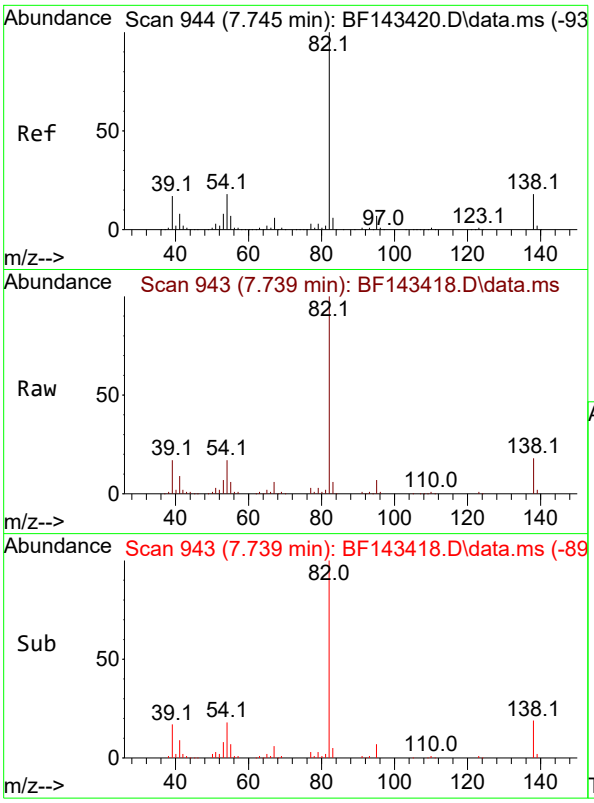


#24
Nitrobenzene
Concen: 9.847 ng
RT: 7.498 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 77 Resp: 84934

Ion	Ratio	Lower	Upper
77	100		
123	45.6	35.4	53.0
65	14.2	11.2	16.8

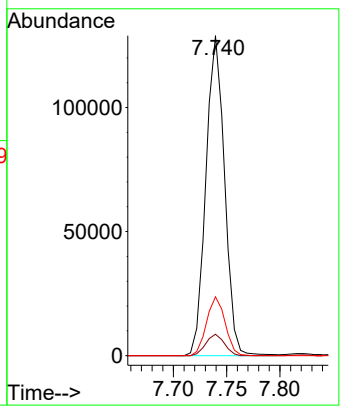




#25
Isophorone
Concen: 9.956 ng
RT: 7.739 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 82 Resp: 15725

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.6	8.4
138	18.4	14.3	21.5



Instrument :
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ClientSampleId :
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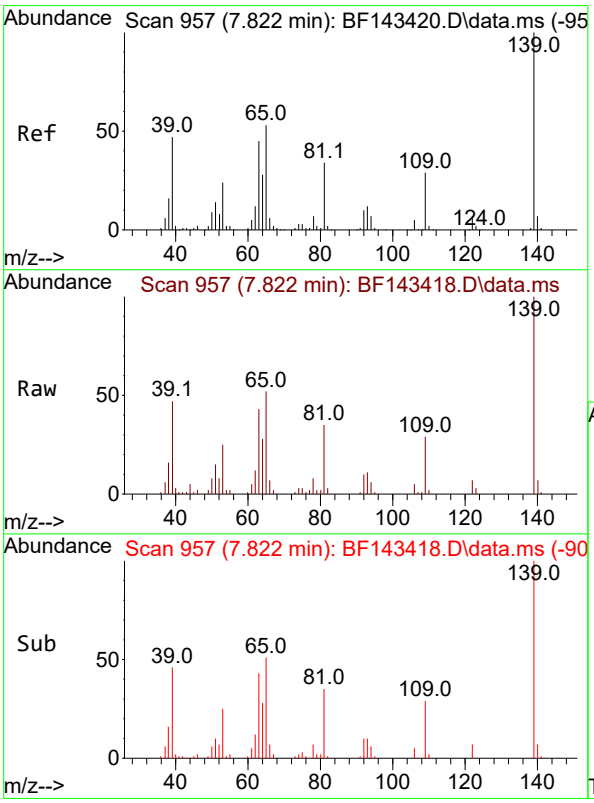
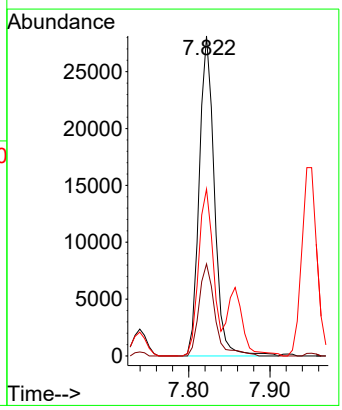
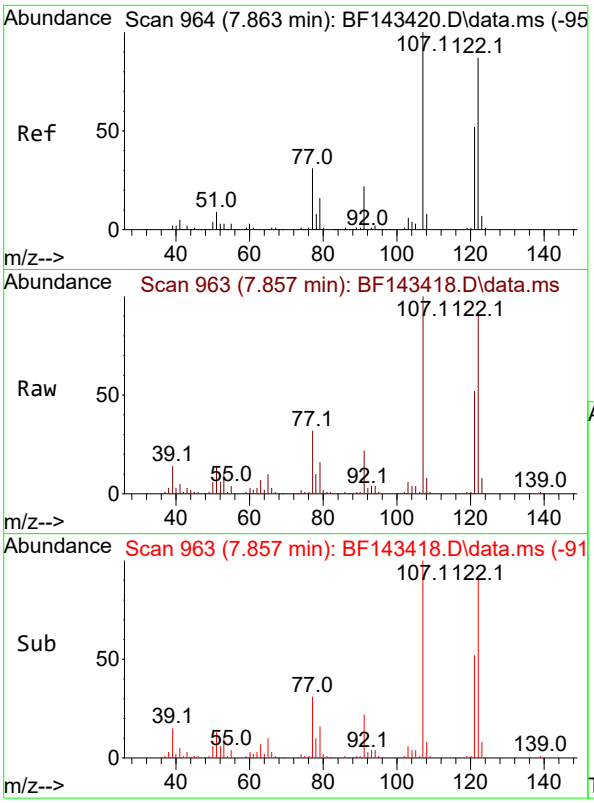


#26
2-Nitrophenol
Concen: 9.127 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:139 Resp: 36495

Ion	Ratio	Lower	Upper
139	100		
109	28.7	23.0	34.4
65	52.2	42.5	63.7

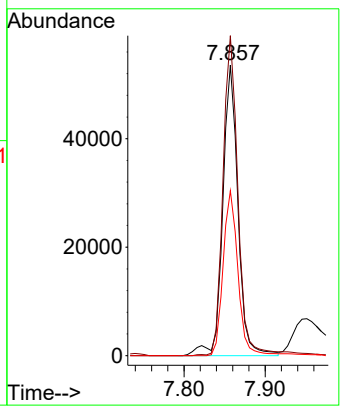




#27
2,4-Dimethylphenol
Concen: 10.368 ng
RT: 7.857 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:122 Resp: 7009

Ion	Ratio	Lower	Upper
122	100		
107	110.1	90.4	135.6
121	56.8	46.7	70.1



Instrument :
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ClientSampleId :
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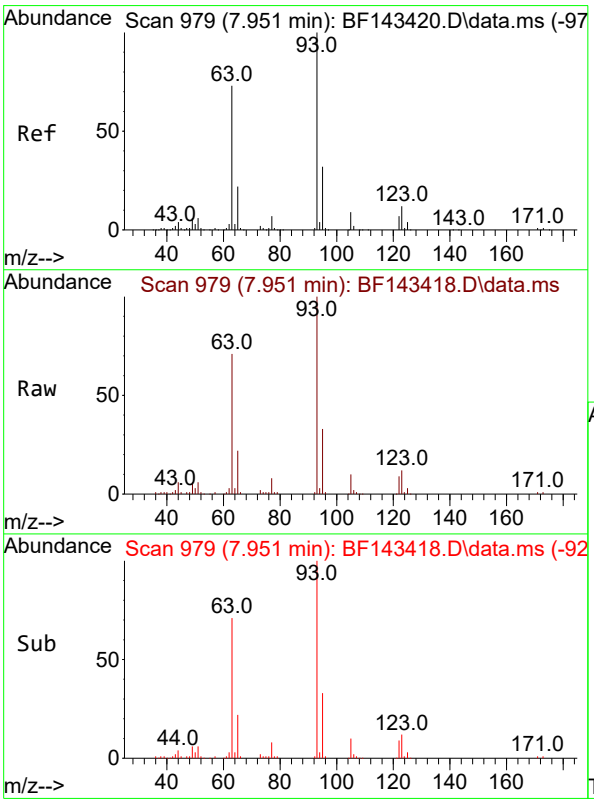
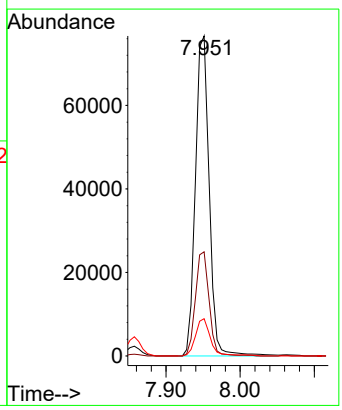
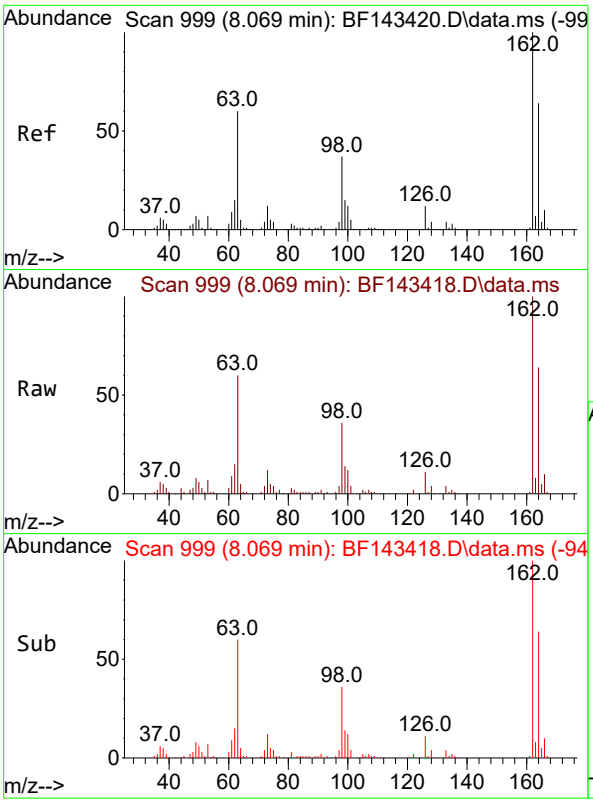


#28
bis(2-Chloroethoxy)methane
Concen: 10.200 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 93 Resp: 99022

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.0	39.0
123	11.7	9.5	14.3

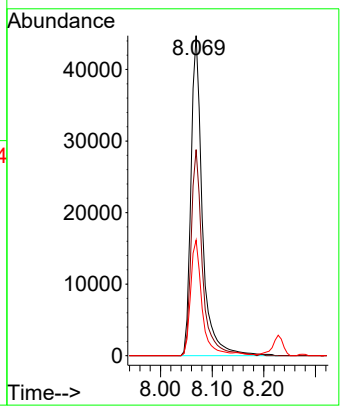




#29
2,4-Dichlorophenol
Concen: 9.987 ng
RT: 8.069 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:162 Resp: 6882

Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.3	84.3
98	36.1	16.9	56.9



Instrument :
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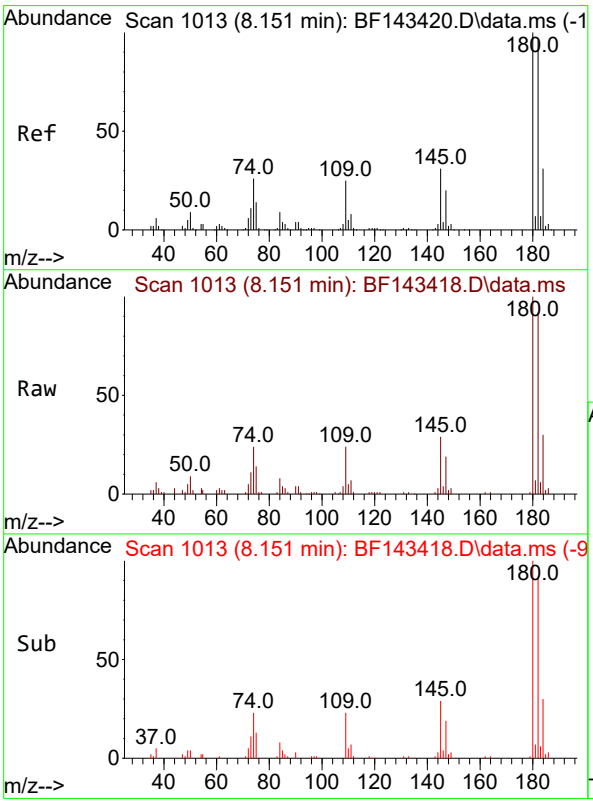
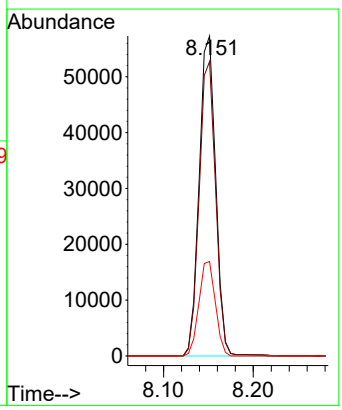
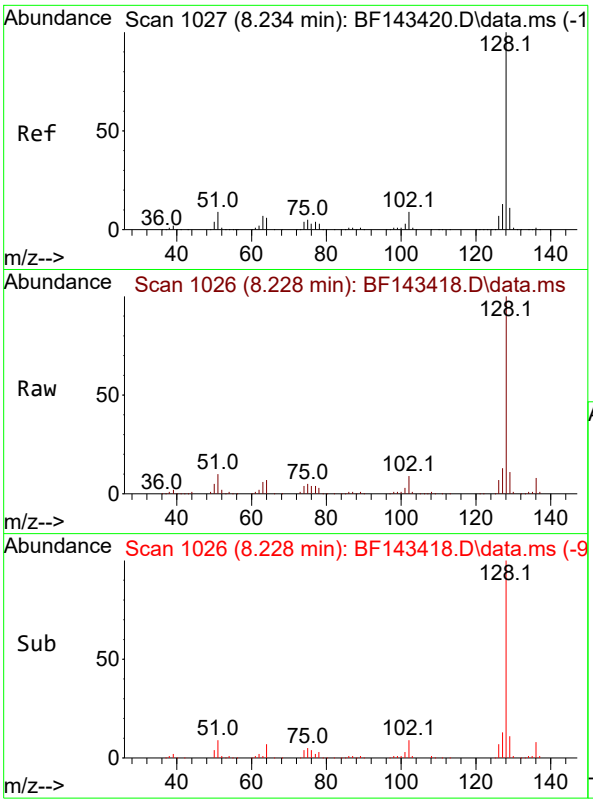


#30
1,2,4-Trichlorobenzene
Concen: 10.349 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:180 Resp: 73076

Ion	Ratio	Lower	Upper
180	100		
182	92.0	76.7	115.1
145	29.5	24.5	36.7





#31
Naphthalene
Concen: 10.394 ng
RT: 8.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:128 Resp: 24165

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.4	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
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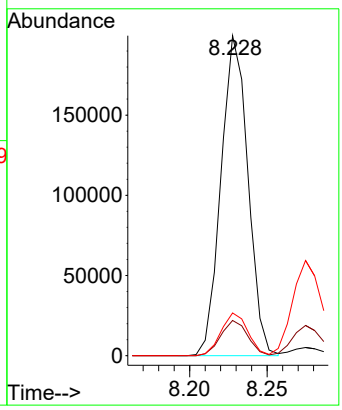
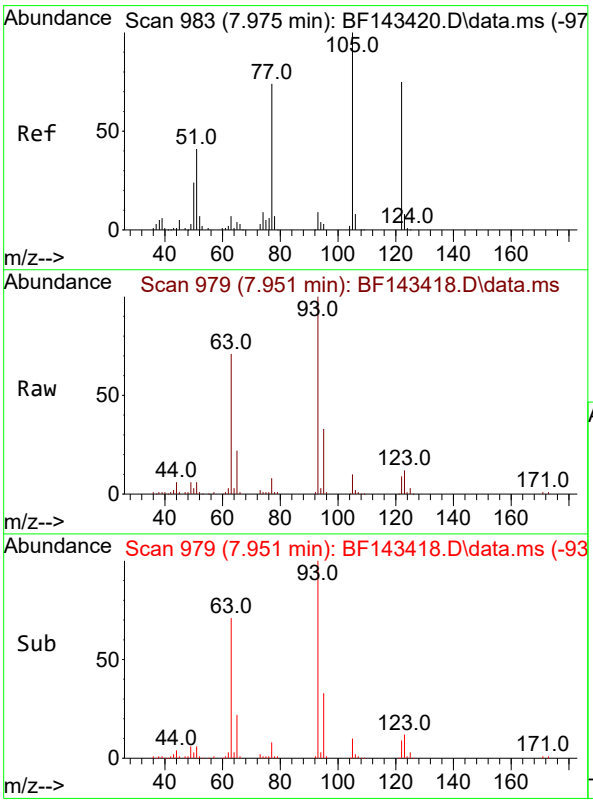
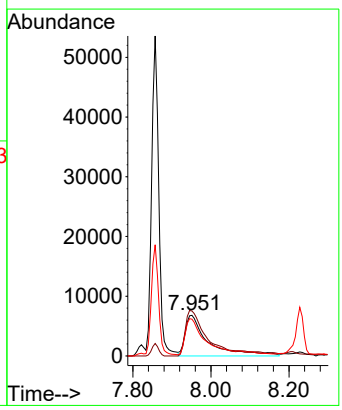


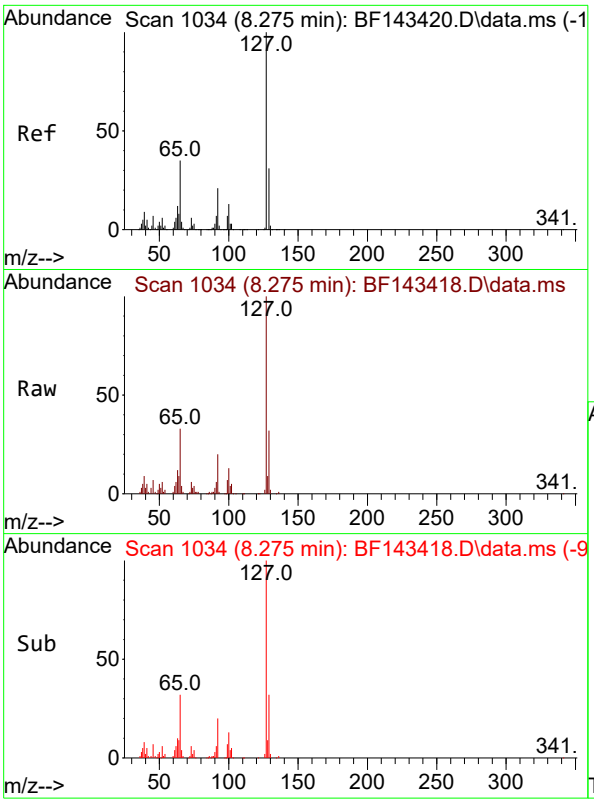


#32
Benzoic acid
Concen: 7.945 ng m
RT: 7.951 min Scan# 979
Delta R.T. -0.024 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:122 Resp: 27803

Ion	Ratio	Lower	Upper
122	100		
105	110.5	108.4	148.4
77	90.7	75.9	115.9

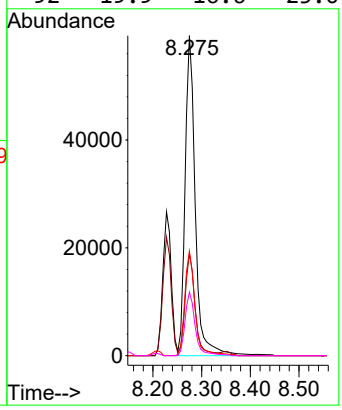




#33
4-Chloroaniline
Concen: 10.258 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:127 Resp: 8608

Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.8	38.8
65	32.7	27.2	40.8
92	19.9	16.6	25.0



Instrument :
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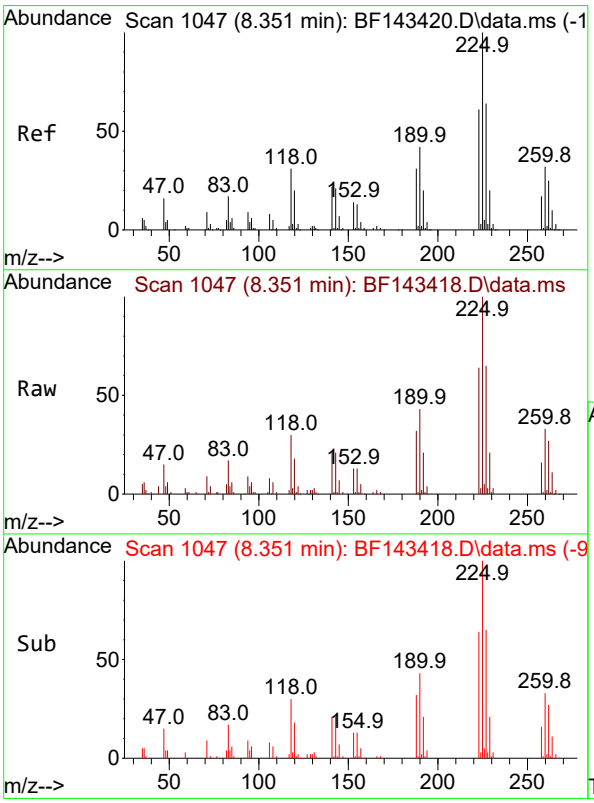
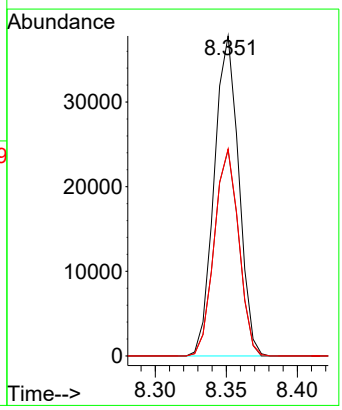
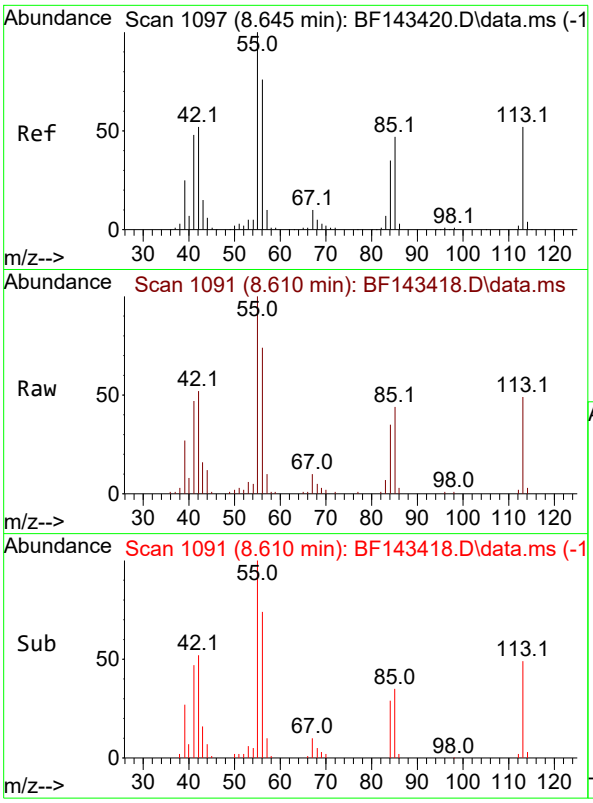


#34
Hexachlorobutadiene
Concen: 10.071 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:225 Resp: 45348

Ion	Ratio	Lower	Upper
225	100		
223	64.4	49.0	73.6
227	64.7	51.1	76.7

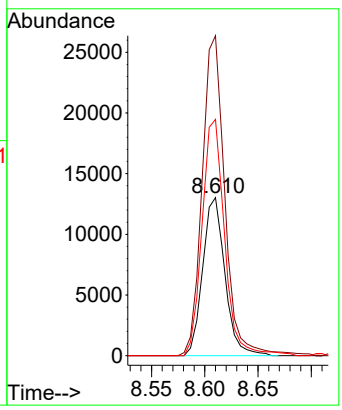




#35
Caprolactam
Concen: 9.531 ng
RT: 8.610 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:113 Resp: 1891

Ion	Ratio	Lower	Upper
113	100		
55	202.4	174.7	214.7
56	149.5	127.0	167.0



Instrument :
BNA_F
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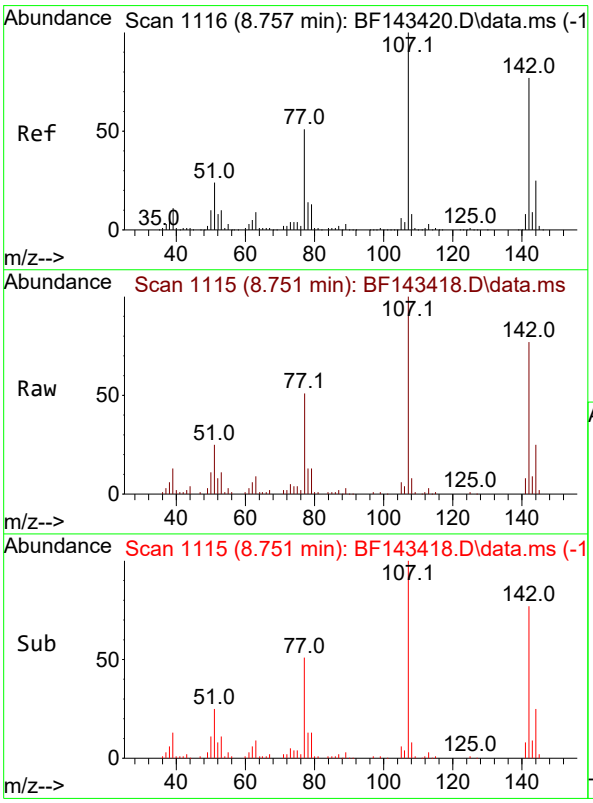
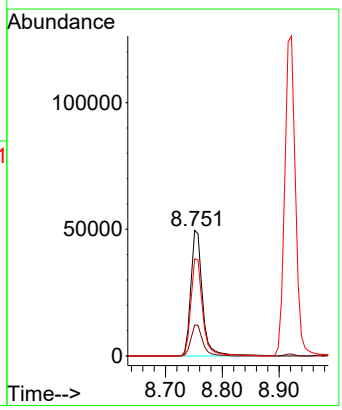
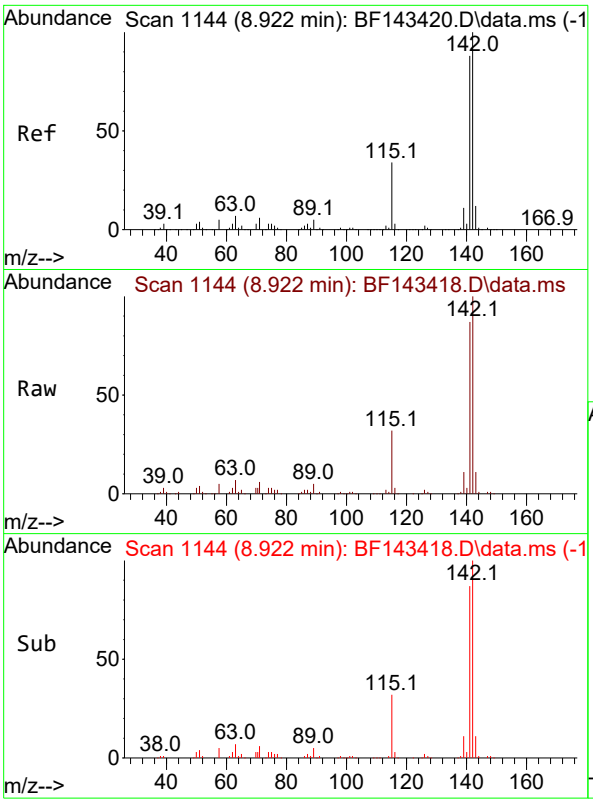


#36
4-Chloro-3-methylphenol
Concen: 10.013 ng
RT: 8.751 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:107 Resp: 71072

Ion	Ratio	Lower	Upper
107	100		
144	24.6	20.2	30.2
142	77.4	62.0	93.0





#37
2-Methylnaphthalene
Concen: 10.598 ng
RT: 8.922 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:142 Resp: 16607

Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.3	105.5

Instrument :
BNA_F
ClientSampleId :
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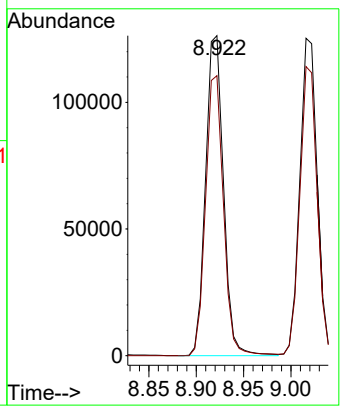
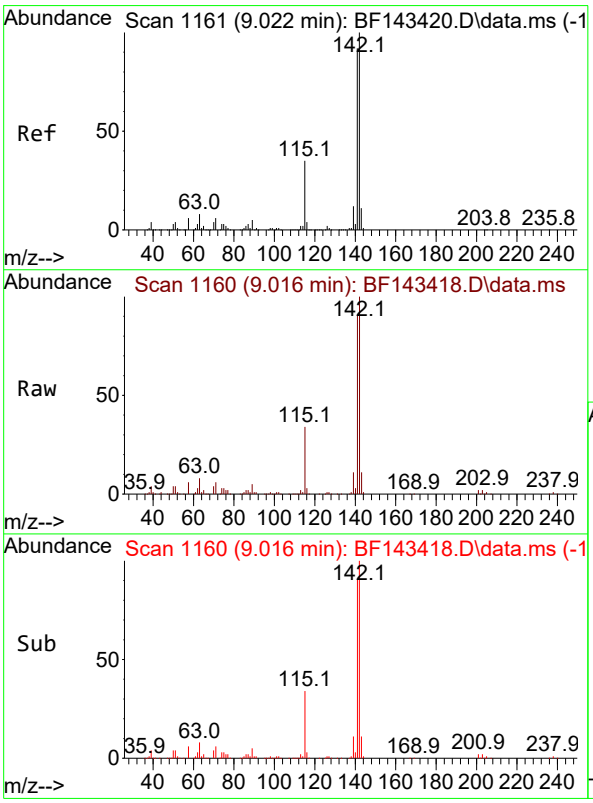
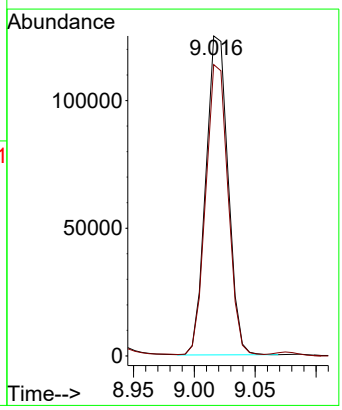


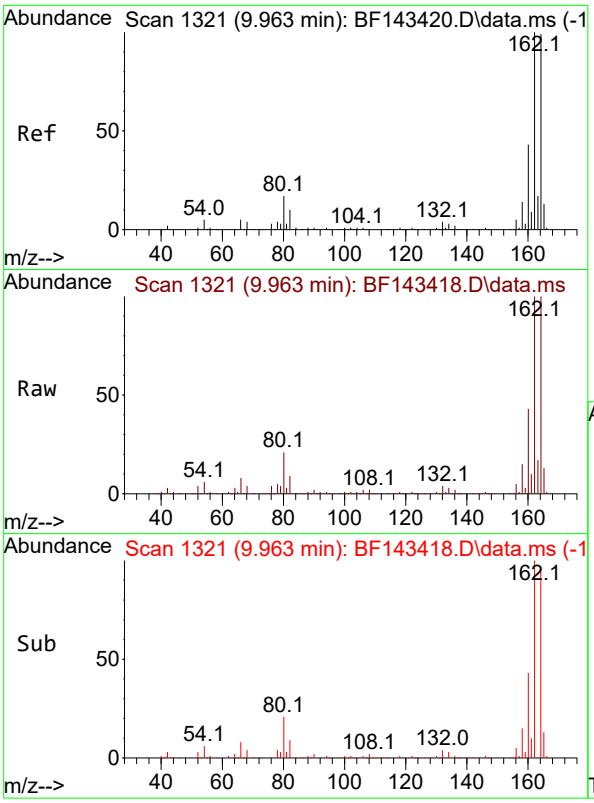


#38
1-Methylnaphthalene
Concen: 10.597 ng
RT: 9.016 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:142 Resp: 159110

Ion	Ratio	Lower	Upper
142	100		
141	91.1	73.8	110.6

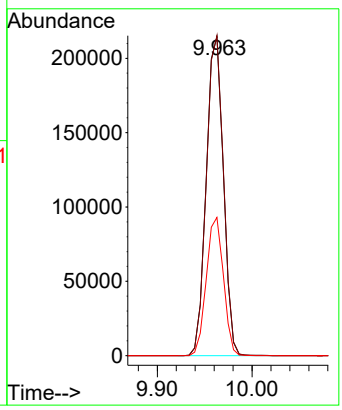




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:164 Resp: 26898

Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.6	121.0
160	43.3	34.6	51.8



Instrument :
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ClientSampleId :
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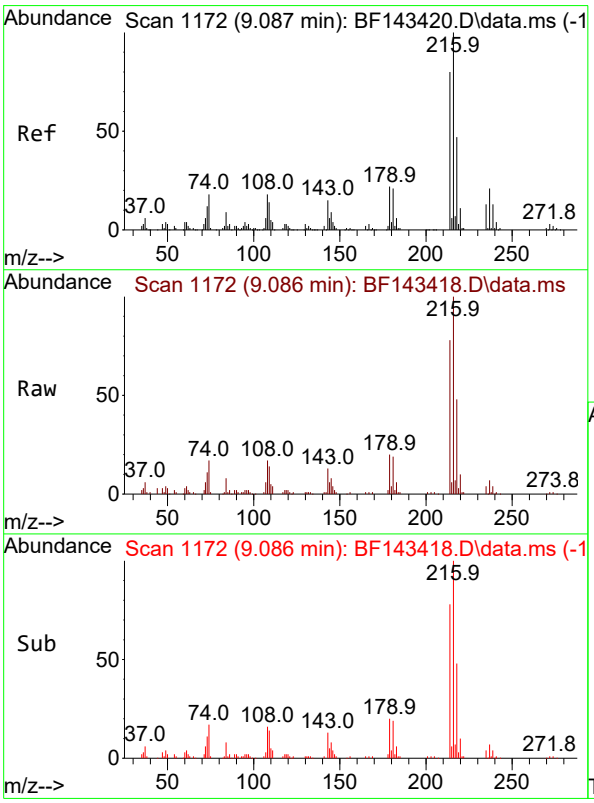
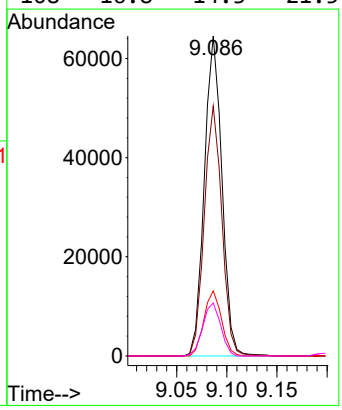
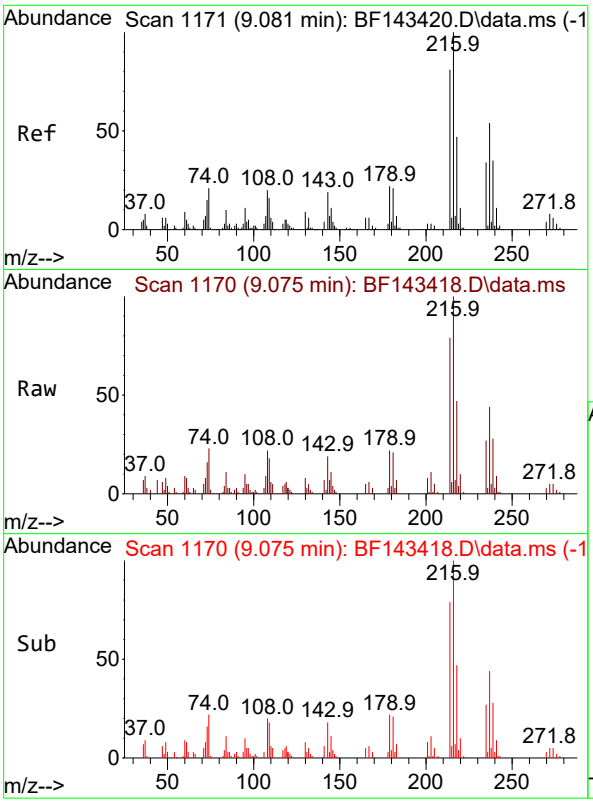


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.523 ng
RT: 9.086 min Scan# 1172
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:216 Resp: 78936

Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.7	95.5
179	20.3	17.0	25.4
108	16.8	14.3	21.5





#41
Hexachlorocyclopentadiene
Concen: 10.597 ng
RT: 9.075 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:237 Resp: 1193

Ion	Ratio	Lower	Upper
237	100		
235	60.9	41.6	81.6
272	11.3	0.0	33.8

Instrument :
BNA_F
ClientSampleId :
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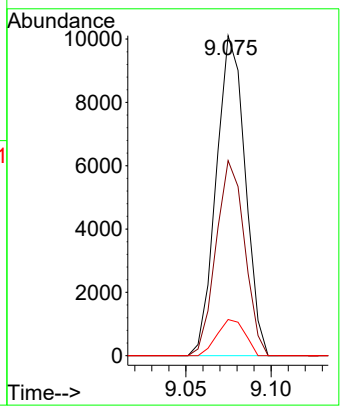
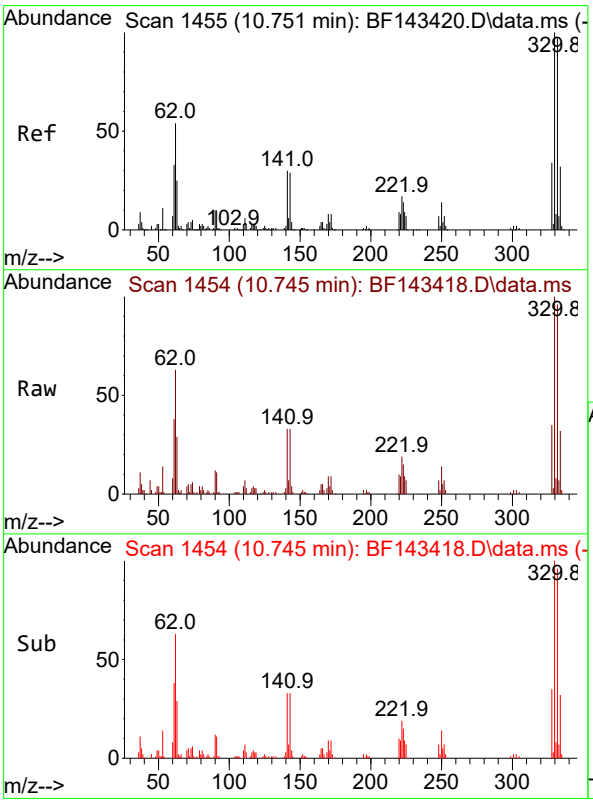
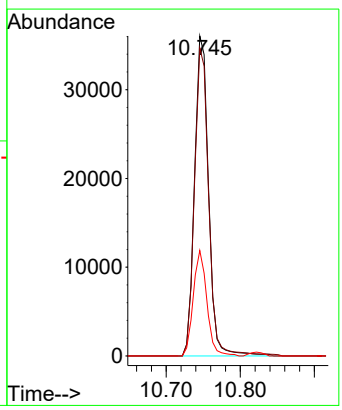


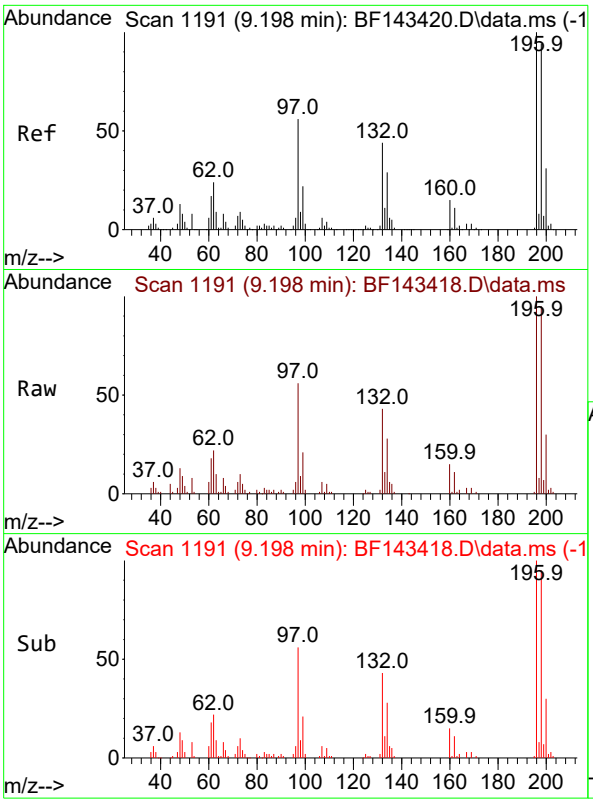


#42
2,4,6-Tribromophenol
Concen: 19.817 ng
RT: 10.745 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:330 Resp: 47446

Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.4	116.2
141	31.9	24.1	36.1

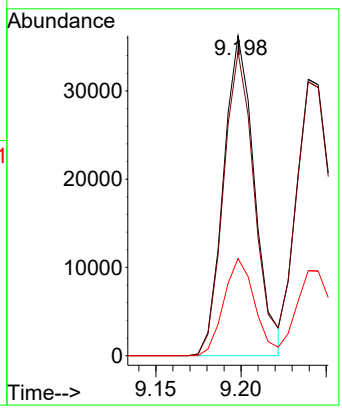




#43
2,4,6-Trichlorophenol
Concen: 9.798 ng
RT: 9.198 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:196 Resp: 4585

Ion	Ratio	Lower	Upper
196	100		
198	94.9	75.4	113.2
200	30.3	24.7	37.1



Instrument :
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ClientSampleId :
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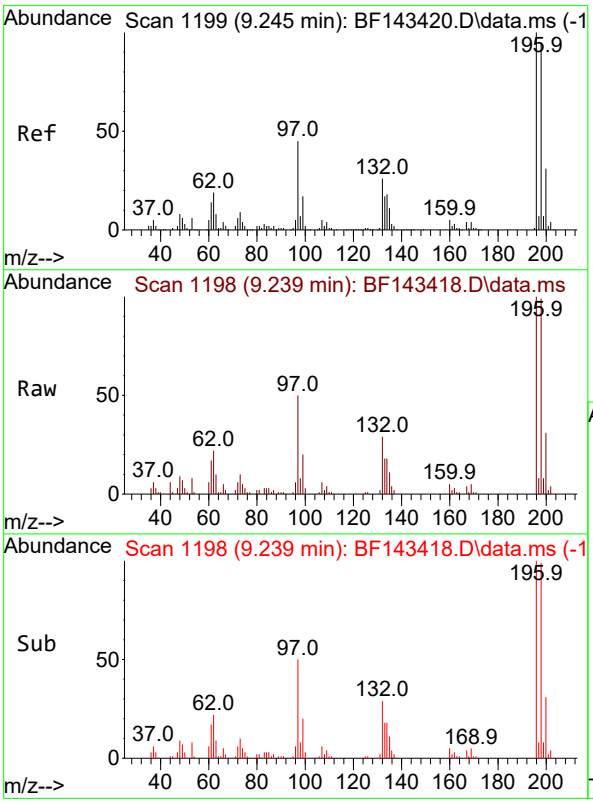
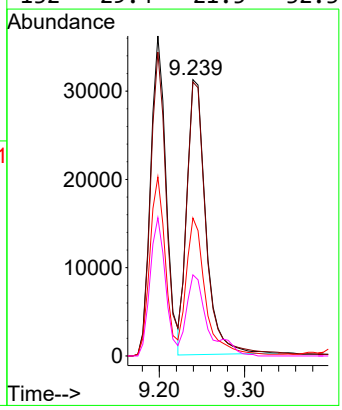
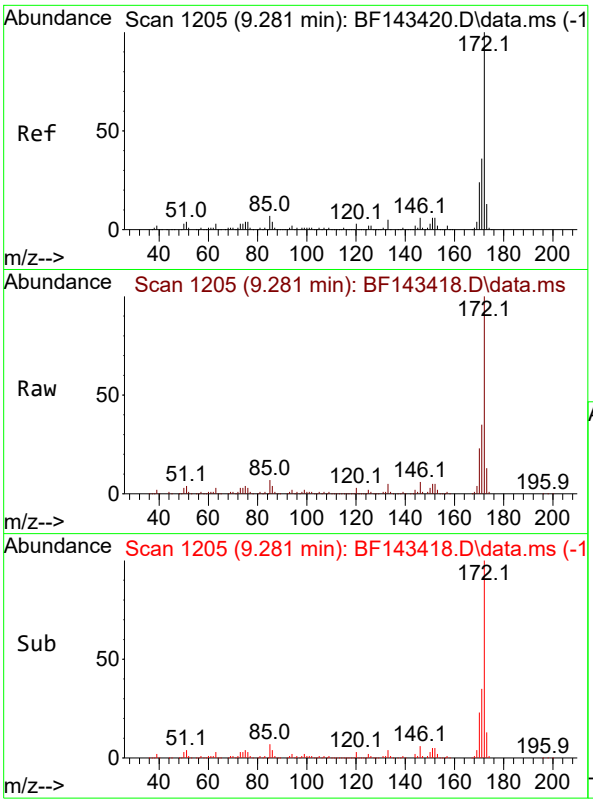


#44
2,4,5-Trichlorophenol
Concen: 9.588 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:196 Resp: 48096

Ion	Ratio	Lower	Upper
196	100		
198	99.1	76.2	114.4
97	49.9	36.6	55.0
132	29.4	21.5	32.3

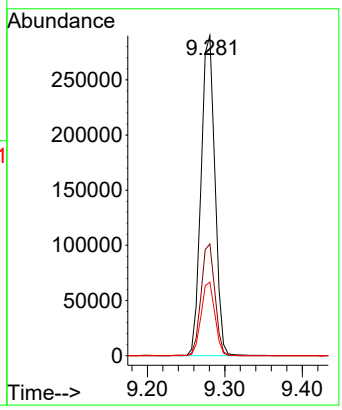




#45
2-Fluorobiphenyl
Concen: 22.534 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:172 Resp: 36036

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.7	43.1
170	23.0	19.0	28.6



Instrument :
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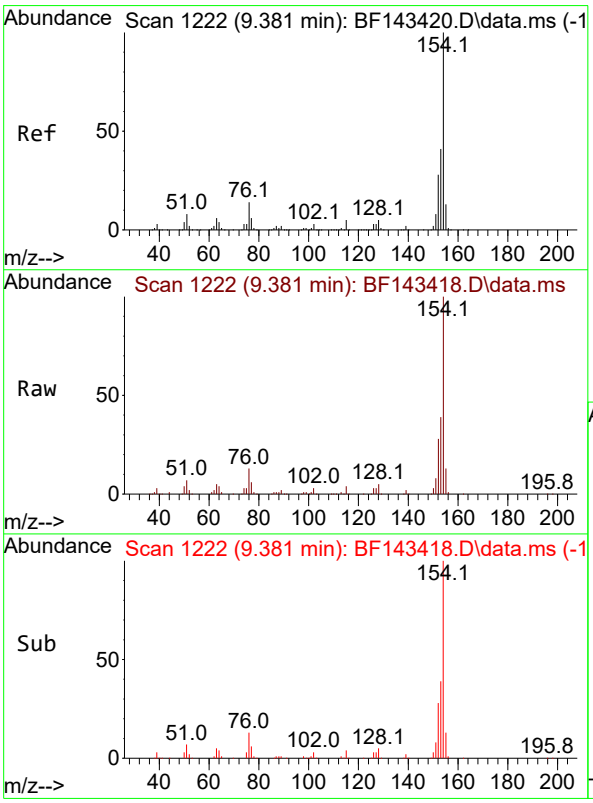
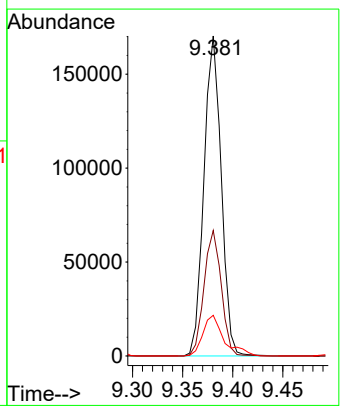
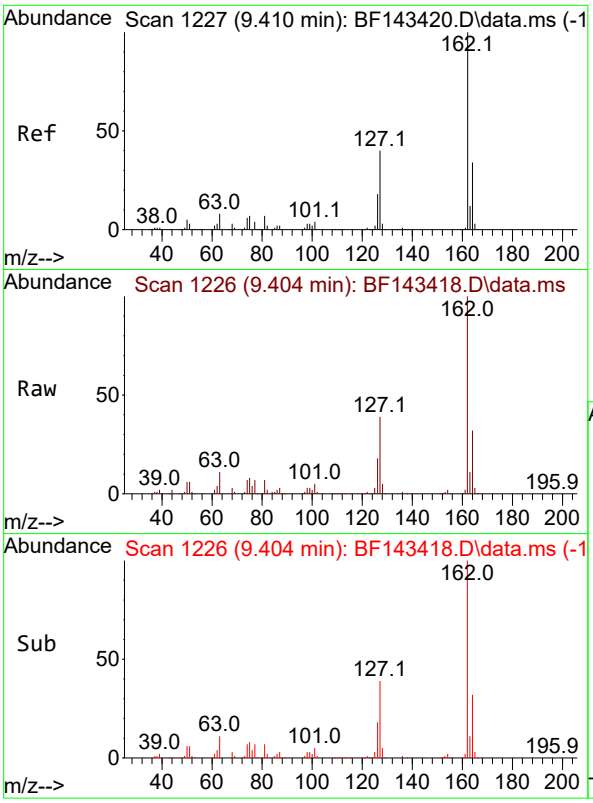


#46
1,1'-Biphenyl
Concen: 10.843 ng
RT: 9.381 min Scan# 1222
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:154 Resp: 204923

Ion	Ratio	Lower	Upper
154	100		
153	39.2	20.6	60.6
76	12.7	0.0	33.8

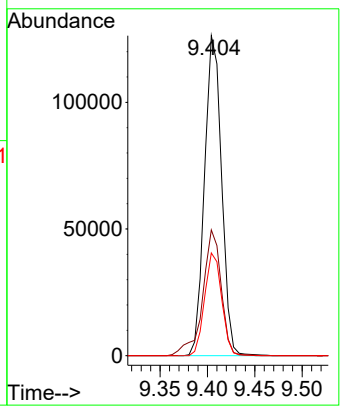




#47
2-Chloronaphthalene
Concen: 10.585 ng
RT: 9.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:162 Resp: 15790

Ion	Ratio	Lower	Upper
162	100		
127	39.3	32.3	48.5
164	32.1	26.9	40.3



Instrument :
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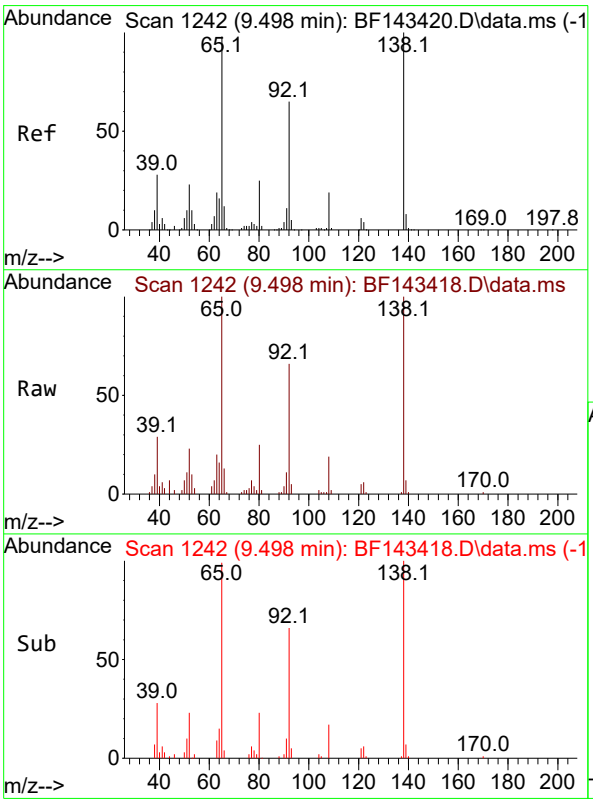
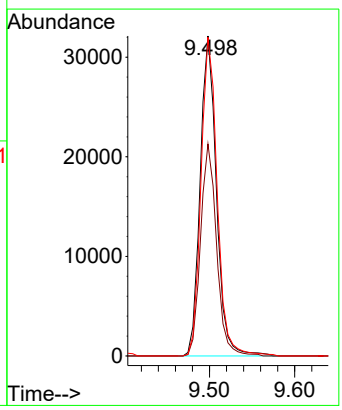
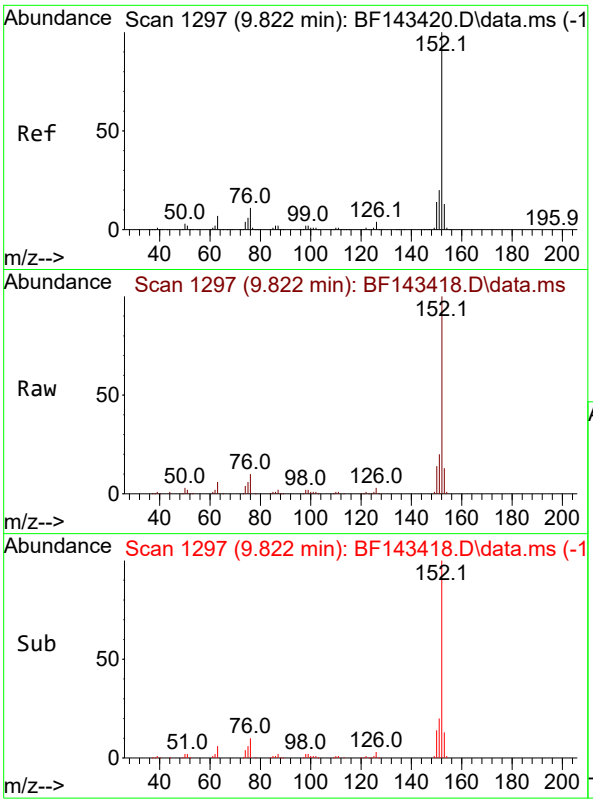


#48
2-Nitroaniline
Concen: 9.597 ng
RT: 9.498 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 65 Resp: 42604

Ion	Ratio	Lower	Upper
65	100		
92	66.2	52.9	79.3
138	99.6	81.3	121.9

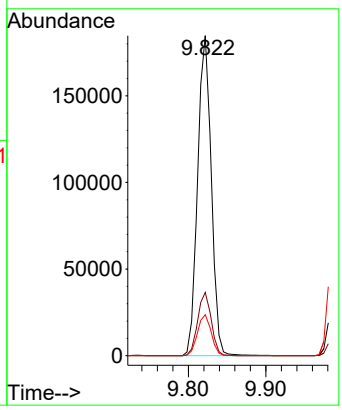




#49
Acenaphthylene
Concen: 10.488 ng
RT: 9.822 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:152 Resp: 22590

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.0	24.0
153	12.8	10.8	16.2



Instrument :
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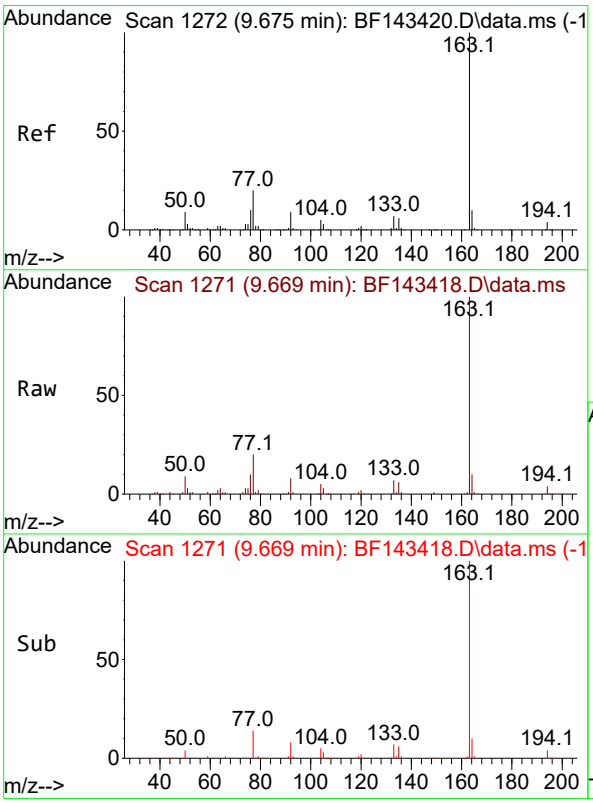
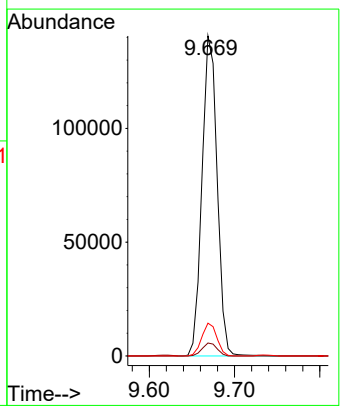
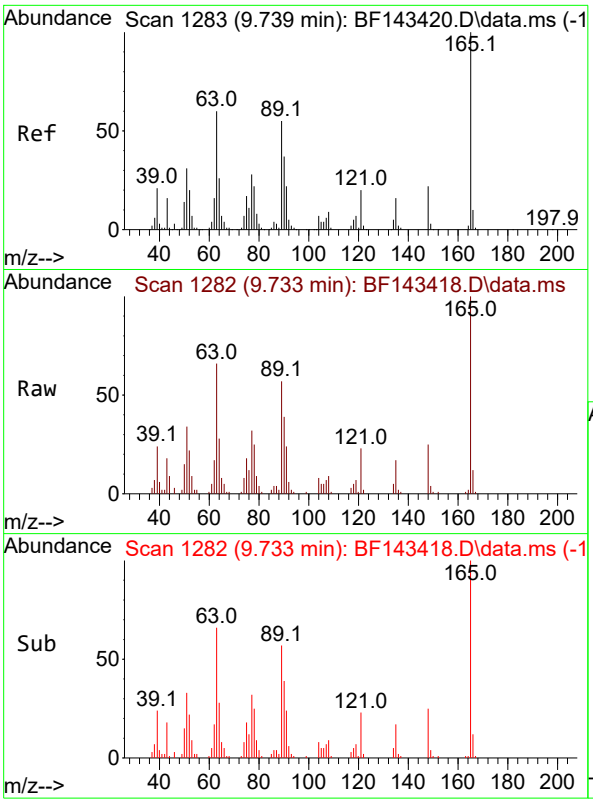


#50
Dimethylphthalate
Concen: 10.371 ng
RT: 9.669 min Scan# 1271
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:163 Resp: 173912

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.4	5.0
164	10.3	8.2	12.4

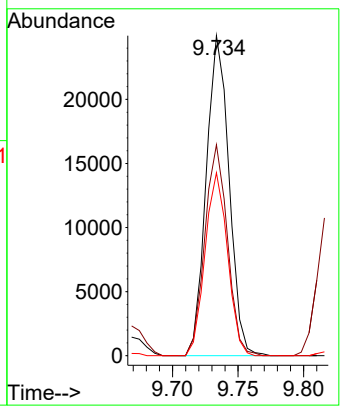




#51
2,6-Dinitrotoluene
Concen: 9.150 ng
RT: 9.733 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:165 Resp: 3024

Ion	Ratio	Lower	Upper
165	100		
63	65.9	48.2	72.2
89	57.2	44.2	66.2



Instrument :
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ClientSampleId :
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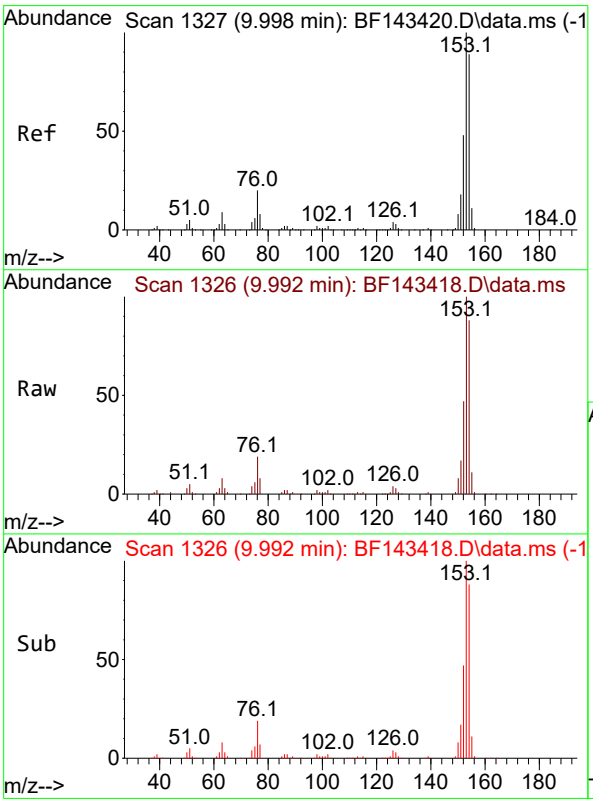
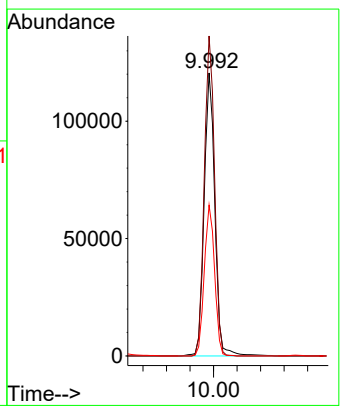
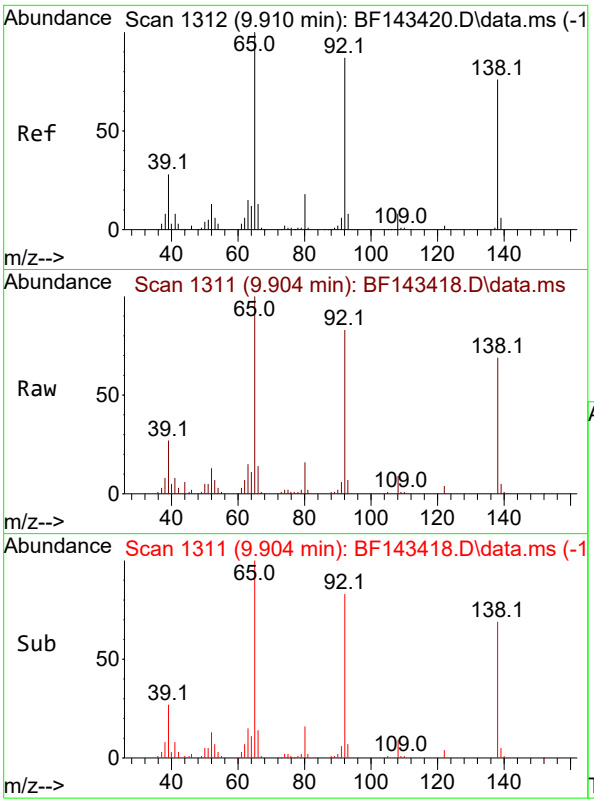


#52
Acenaphthene
Concen: 10.454 ng
RT: 9.992 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:154 Resp: 151452

Ion	Ratio	Lower	Upper
154	100		
153	113.1	89.5	134.3
152	53.3	42.6	64.0

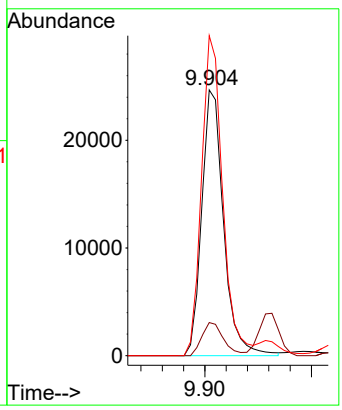




#53
3-Nitroaniline
Concen: 9.547 ng
RT: 9.904 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:138 Resp: 3515

Ion	Ratio	Lower	Upper
138	100		
108	12.4	8.7	13.1
92	120.4	91.4	137.2



Instrument :
BNA_F
ClientSampleId :
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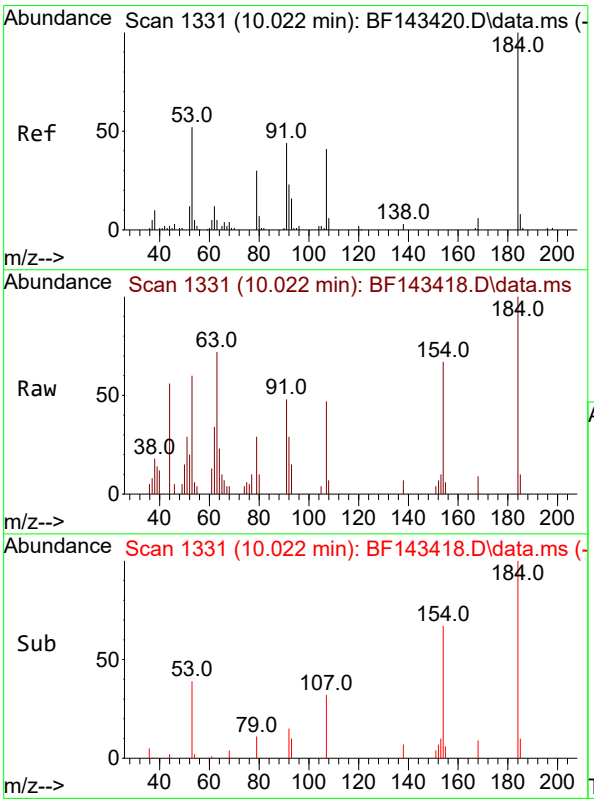
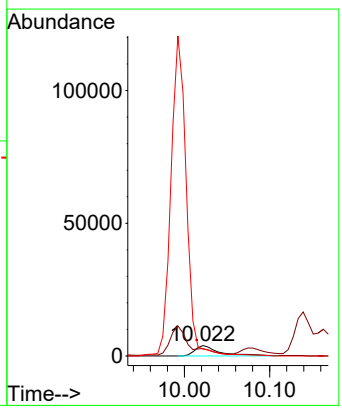
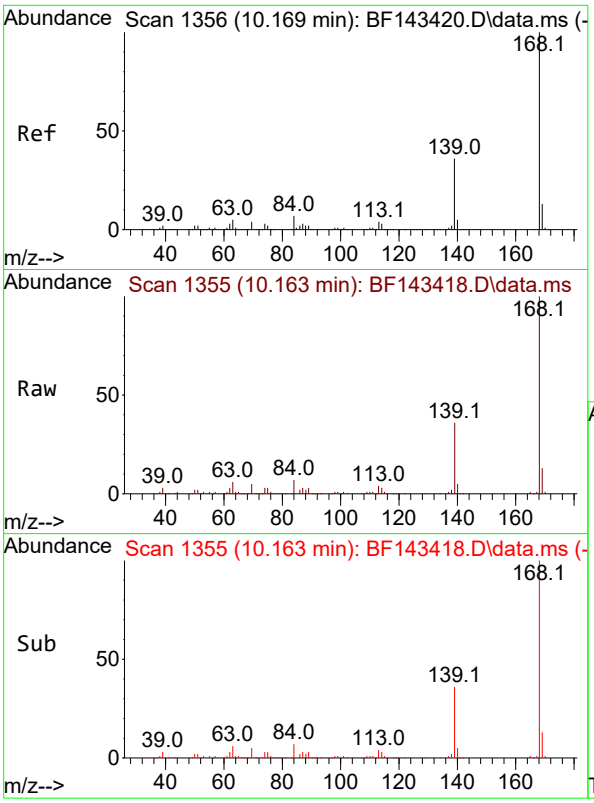


#54
2,4-Dinitrophenol
Concen: 10.543 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:184 Resp: 7904

Ion	Ratio	Lower	Upper
184	100		
63	71.6	53.2	79.8
154	67.2	51.3	76.9

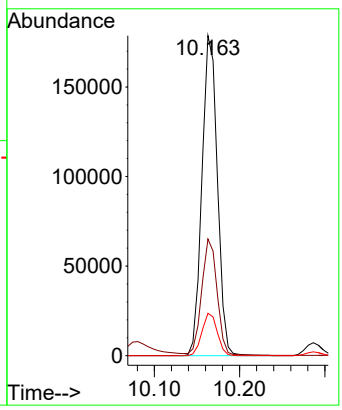




#55
Dibenzofuran
Concen: 10.739 ng
RT: 10.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:168 Resp: 22443

Ion	Ratio	Lower	Upper
168	100		
139	36.5	29.3	43.9
169	13.2	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
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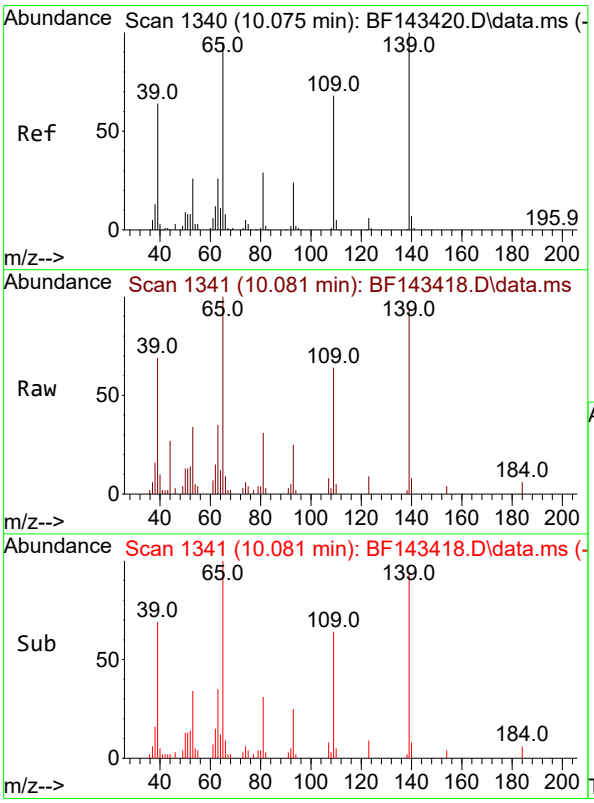
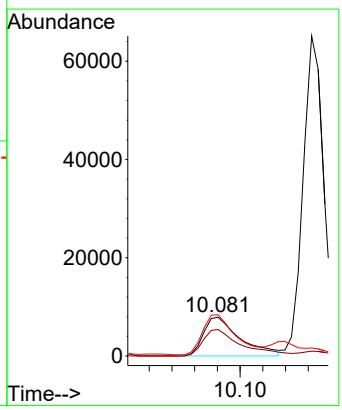
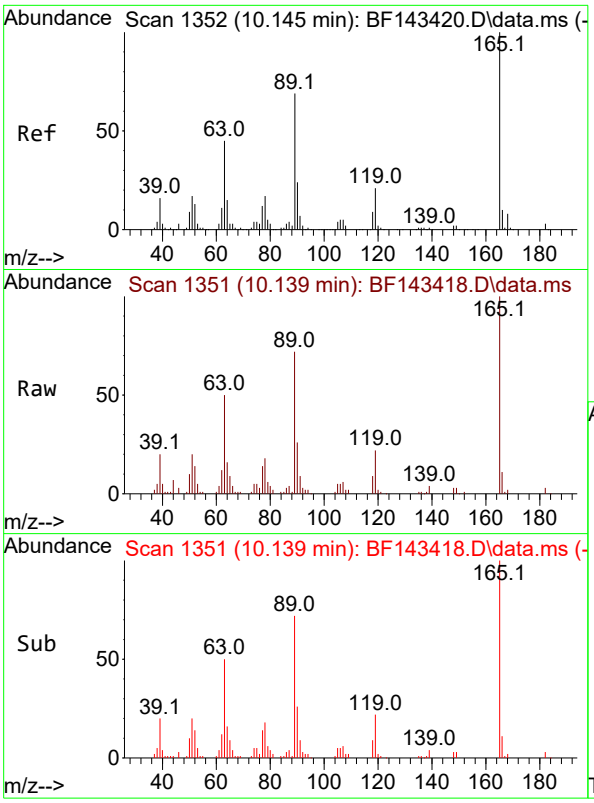


#56
4-Nitrophenol
Concen: 7.613 ng
RT: 10.081 min Scan# 1341
Delta R.T. 0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:139 Resp: 17626

Ion	Ratio	Lower	Upper
139	100		
109	68.2	47.7	87.7
65	106.4	76.4	116.4

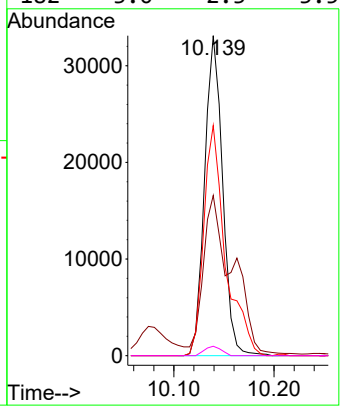




#57
2,4-Dinitrotoluene
Concen: 9.397 ng
RT: 10.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:165 Resp: 4141

Ion	Ratio	Lower	Upper
165	100		
63	50.0	37.0	55.6
89	71.9	55.4	83.0
182	3.0	2.3	3.5



Instrument :
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ClientSampleId :
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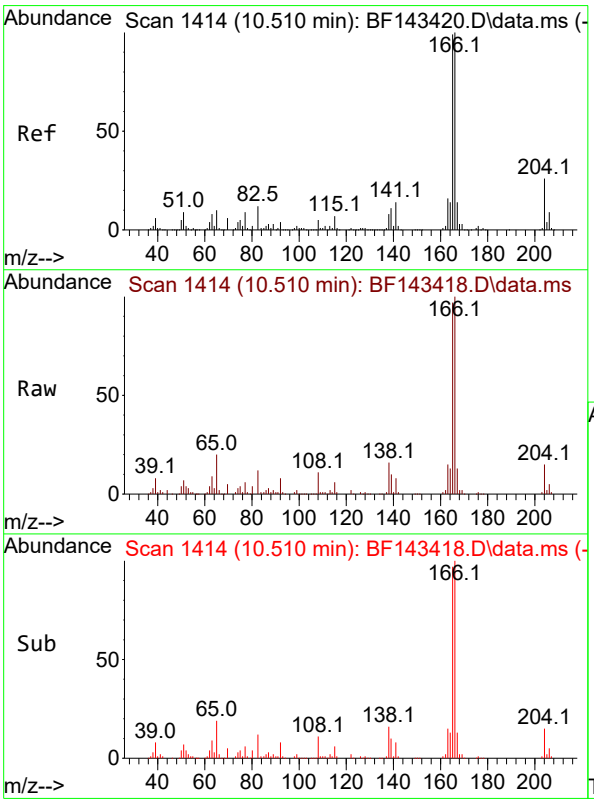
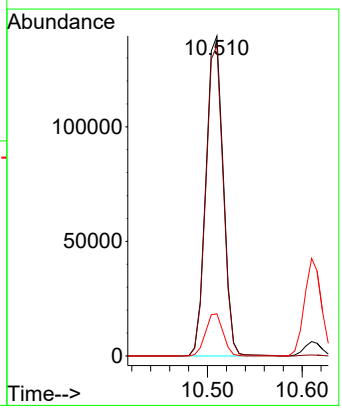
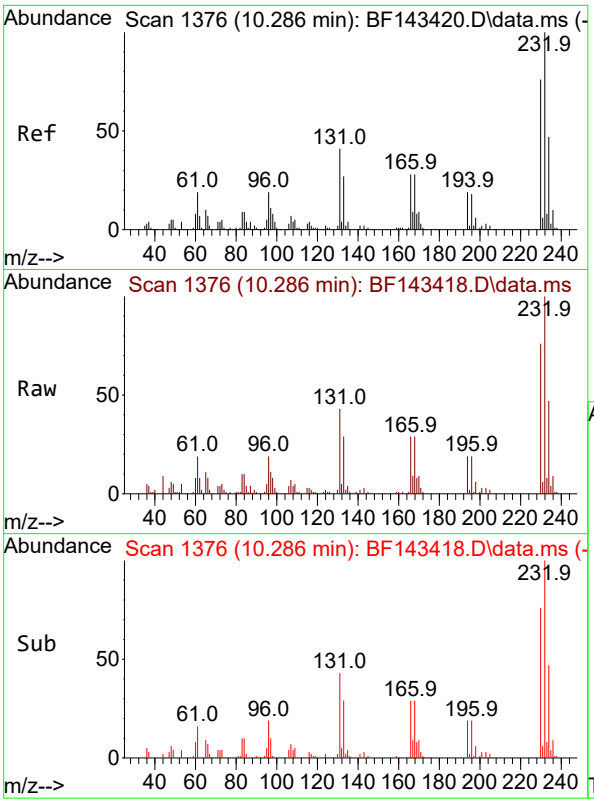


#58
Fluorene
Concen: 11.045 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:166 Resp: 177326

Ion	Ratio	Lower	Upper
166	100		
165	97.0	79.0	118.6
167	13.1	10.9	16.3

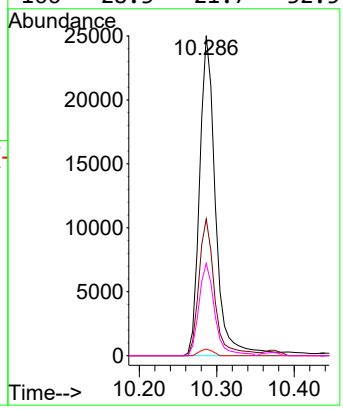




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.397 ng
RT: 10.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:232 Resp: 3567

Ion	Ratio	Lower	Upper
232	100		
131	42.3	32.0	48.0
130	1.7	1.7	2.5
166	28.3	21.7	32.5



Instrument :
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ClientSampleId :
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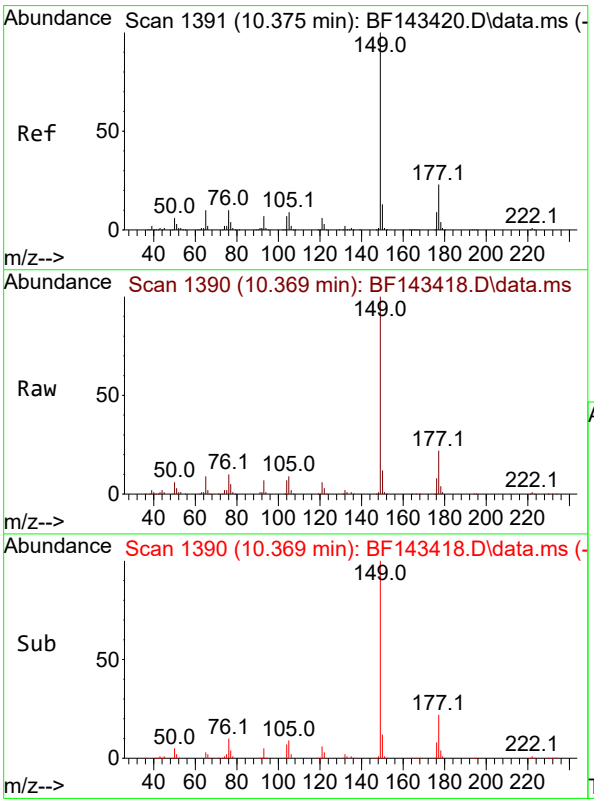
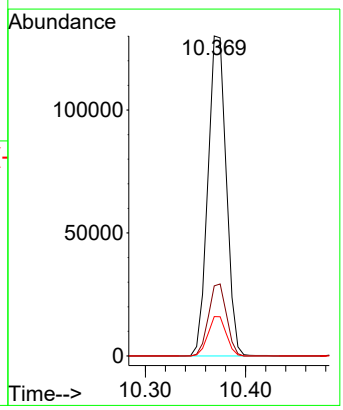
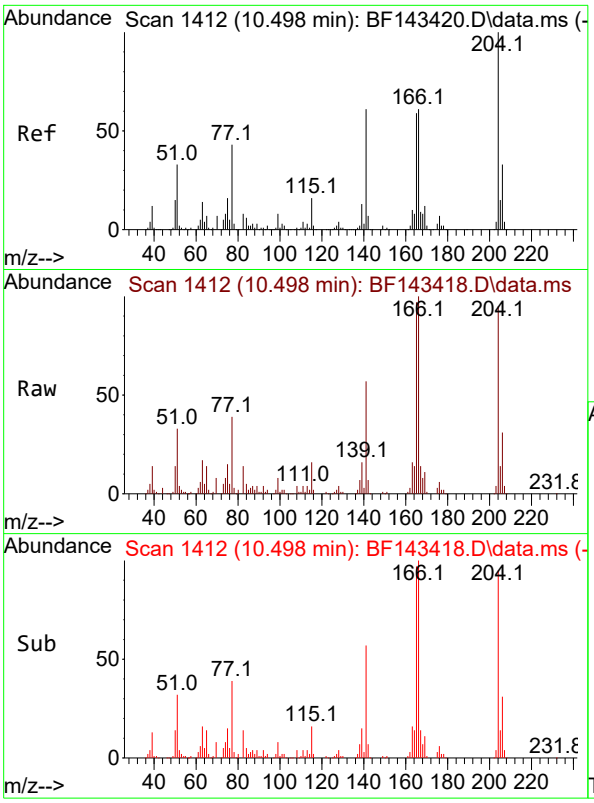


#60
Diethylphthalate
Concen: 10.700 ng
RT: 10.369 min Scan# 1390
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:149 Resp: 165814

Ion	Ratio	Lower	Upper
149	100		
177	21.9	18.2	27.4
150	12.3	10.1	15.1

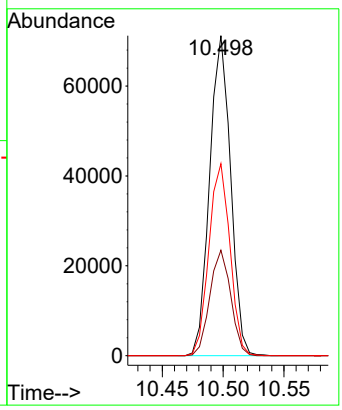




#61
4-Chlorophenyl-phenylether
Concen: 10.729 ng
RT: 10.498 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:204 Resp: 8516

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.5	39.7
141	60.0	49.0	73.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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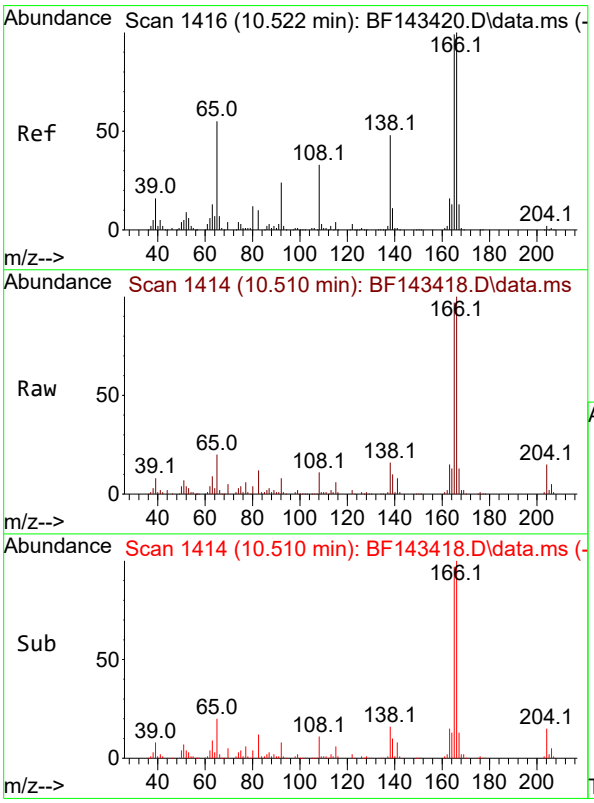
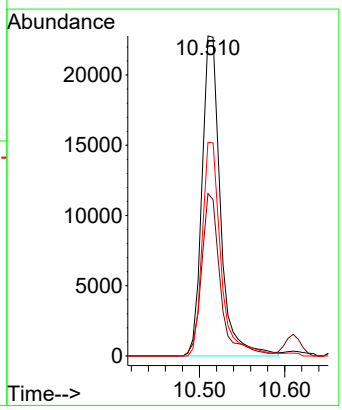
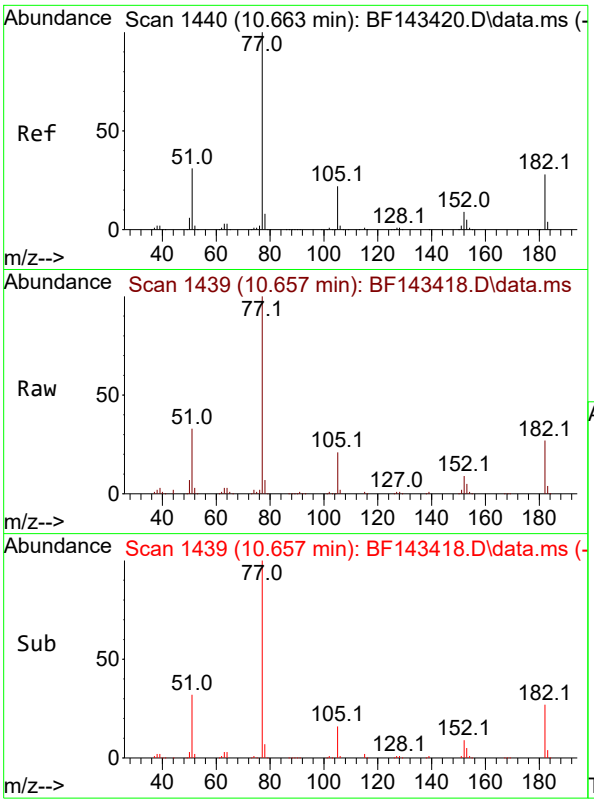


#62
4-Nitroaniline
Concen: 9.957 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:138 Resp: 34292

Ion	Ratio	Lower	Upper
138	100		
92	50.7	29.4	69.4
108	66.8	48.6	88.6

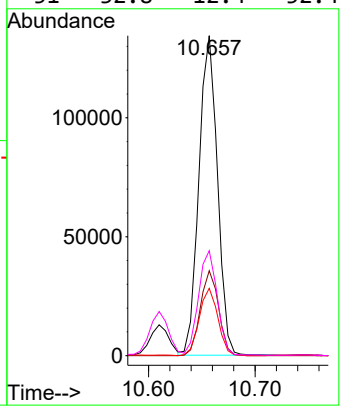




#63
Azobenzene
Concen: 10.395 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 77 Resp: 16281

Ion	Ratio	Lower	Upper
77	100		
182	26.6	7.4	47.4
105	21.1	1.7	41.7
51	32.8	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
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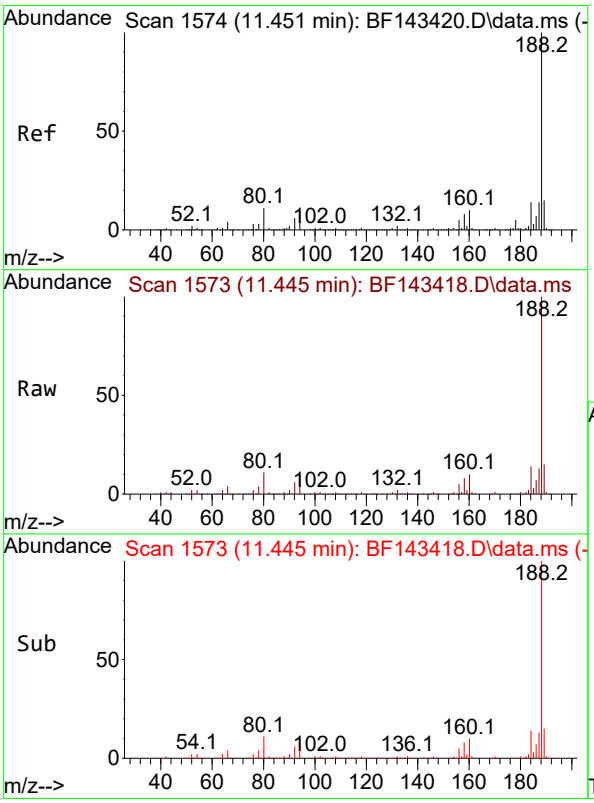
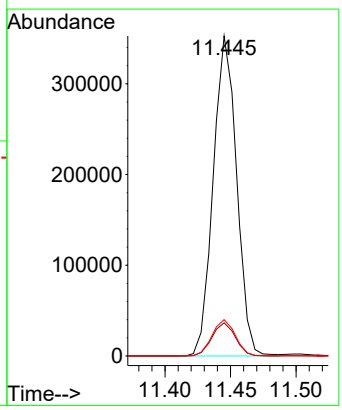
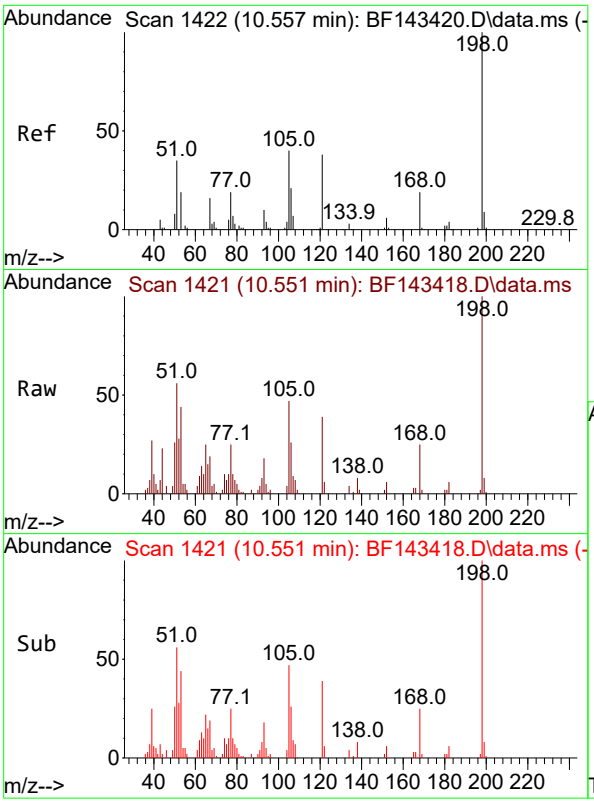


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:188 Resp: 437552

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.0	12.0
80	11.4	8.6	12.8

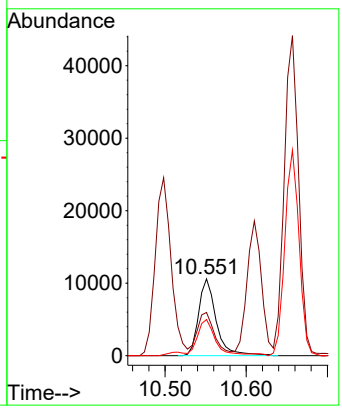




#65
4,6-Dinitro-2-methylphenol
Concen: 7.065 ng
RT: 10.551 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:198 Resp: 1594

Ion	Ratio	Lower	Upper
198	100		
51	56.2	31.2	71.2
105	47.0	21.7	61.7



Instrument :
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ClientSampleId :
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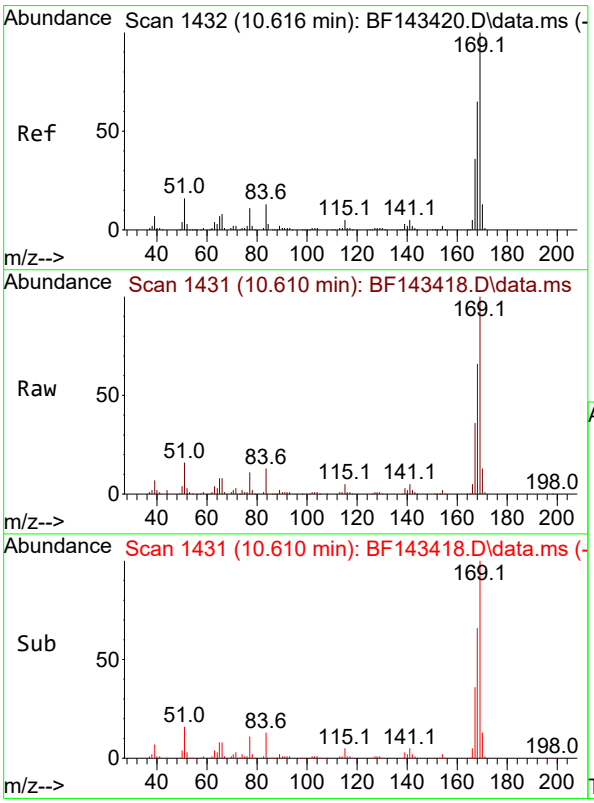
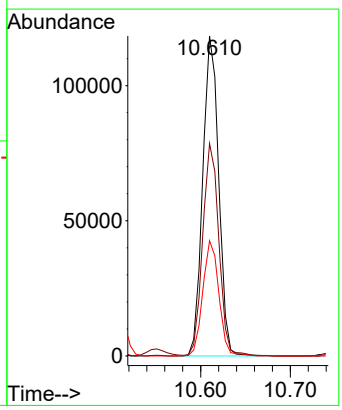
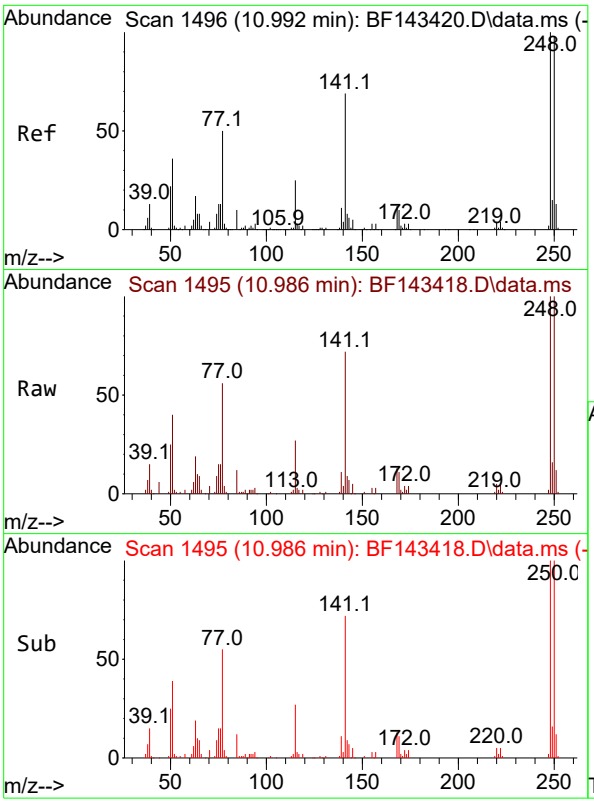


#66
n-Nitrosodiphenylamine
Concen: 10.259 ng
RT: 10.610 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:169 Resp: 145957

Ion	Ratio	Lower	Upper
169	100		
168	66.4	52.5	78.7
167	36.0	28.6	42.8

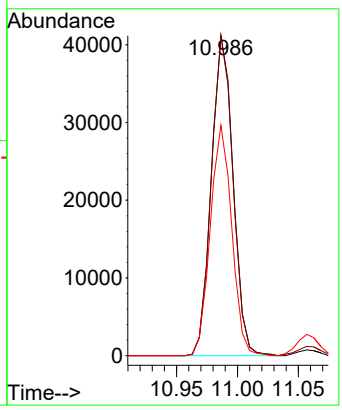




#67
4-Bromophenyl-phenylether
Concen: 9.892 ng
RT: 10.986 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:248 Resp: 5111

Ion	Ratio	Lower	Upper
248	100		
250	99.8	78.6	118.0
141	71.9	54.9	82.3



Instrument :
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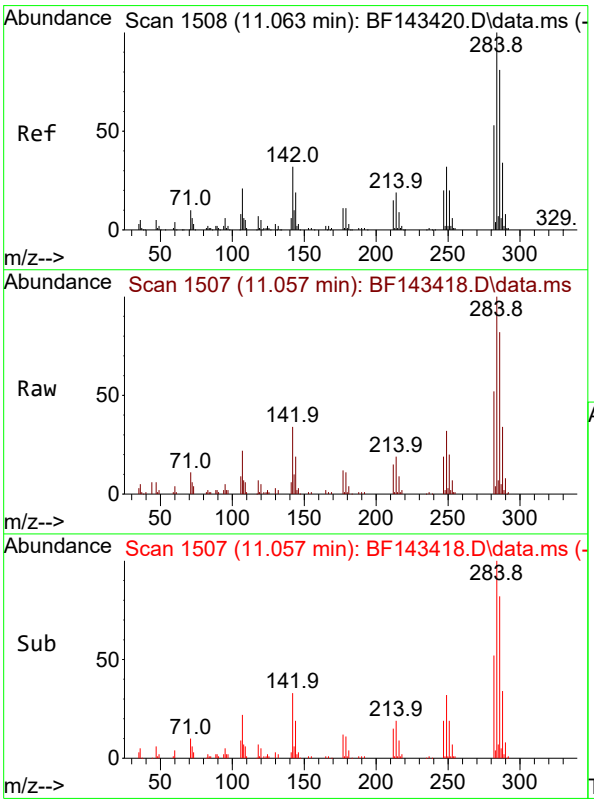
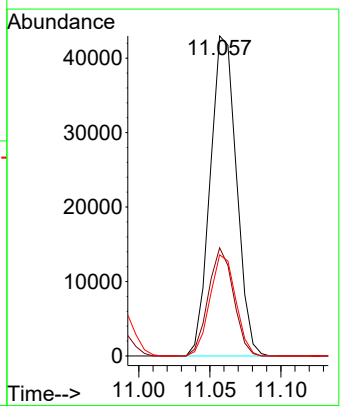
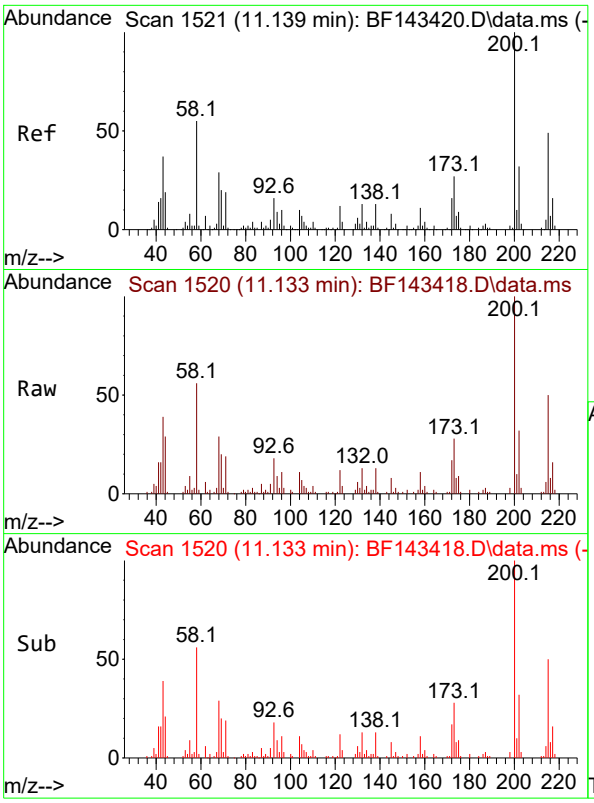


#68
Hexachlorobenzene
Concen: 10.051 ng
RT: 11.057 min Scan# 1507
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:284 Resp: 55212

Ion	Ratio	Lower	Upper
284	100		
142	33.8	25.4	38.2
249	31.6	25.4	38.0

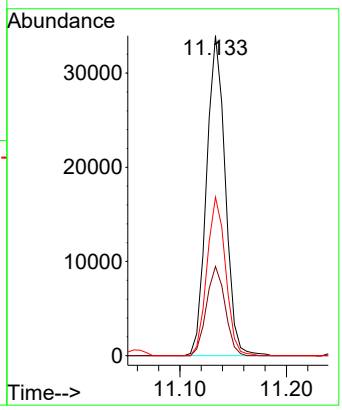




#69
Atrazine
Concen: 9.947 ng
RT: 11.133 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:200 Resp: 4139

Ion	Ratio	Lower	Upper
200	100		
173	27.9	6.6	46.6
215	49.5	29.5	69.5



Instrument :
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ClientSampleId :
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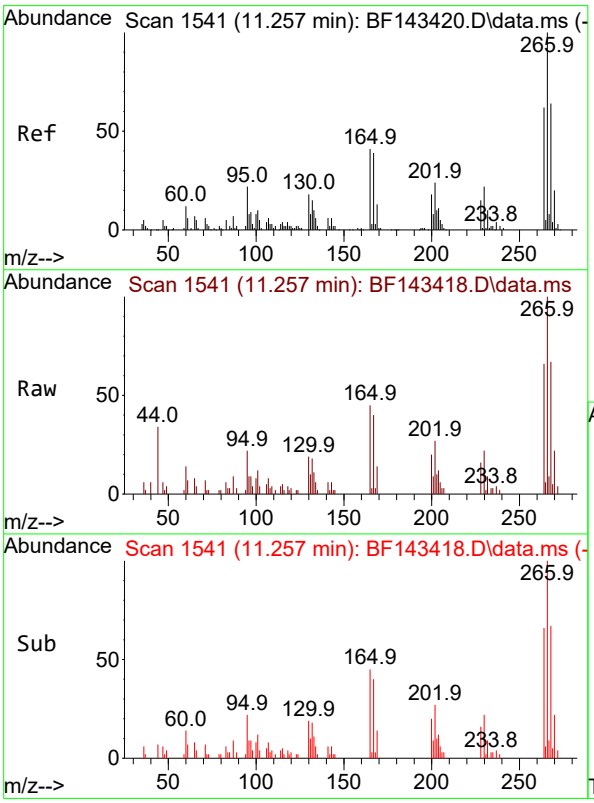
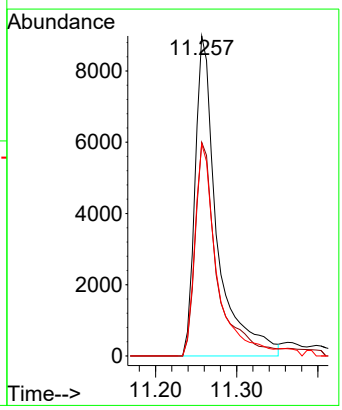
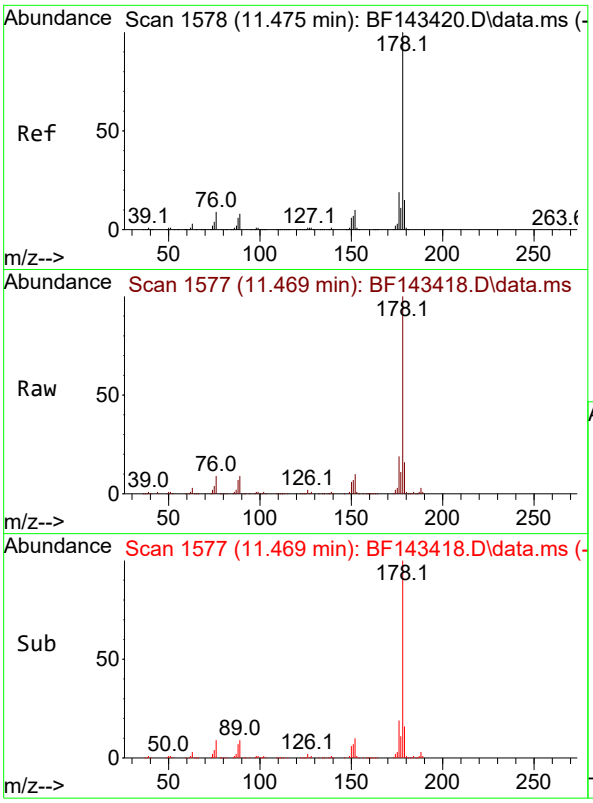


#70
Pentachlorophenol
Concen: 6.949 ng
RT: 11.257 min Scan# 1541
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:266 Resp: 16946

Ion	Ratio	Lower	Upper
266	100		
268	66.7	51.0	76.6
264	66.3	49.3	73.9

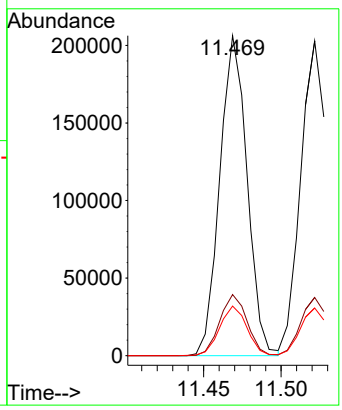




#71
Phenanthrene
Concen: 10.668 ng
RT: 11.469 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:178 Resp: 25276

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.5	12.3	18.5



Instrument :
BNA_F
ClientSampleId :
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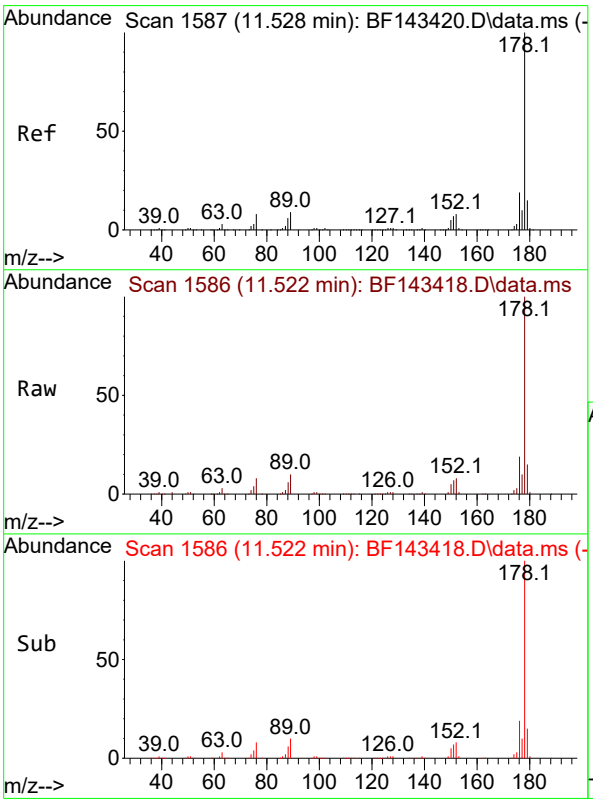
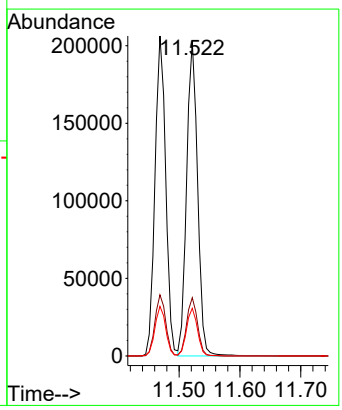
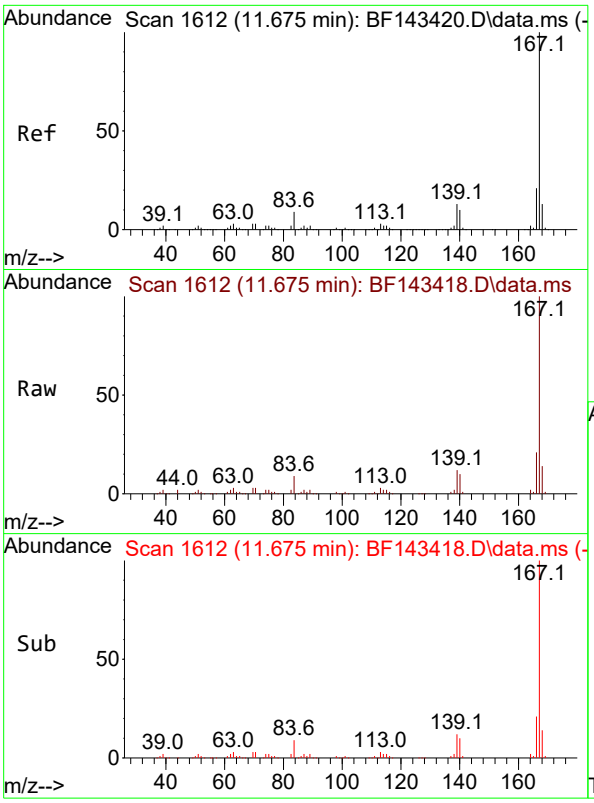


#72
Anthracene
Concen: 10.595 ng
RT: 11.522 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:178 Resp: 253551

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.2	12.2	18.4

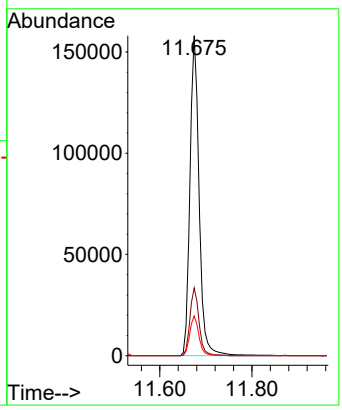




#73
Carbazole
Concen: 10.754 ng
RT: 11.675 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:167 Resp: 21766

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.2	25.8
139	12.4	10.1	15.1



Instrument :
BNA_F
ClientSampleId :
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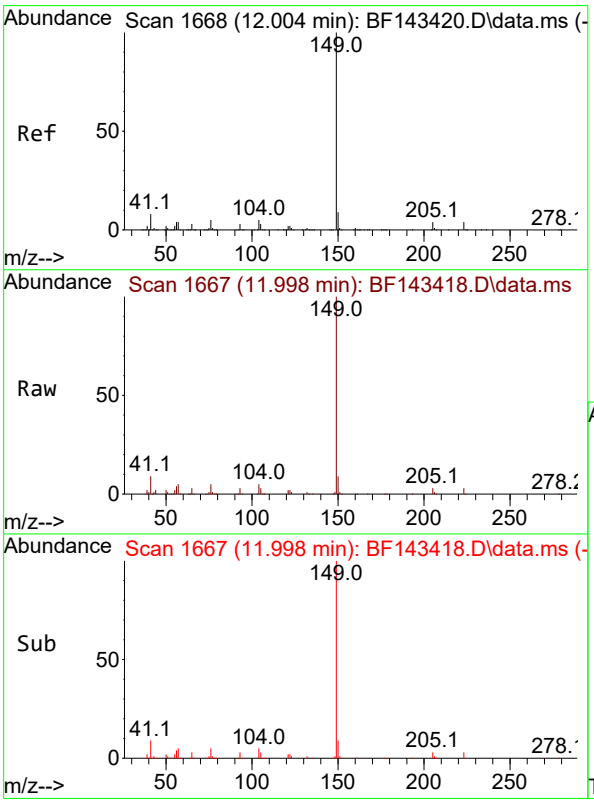
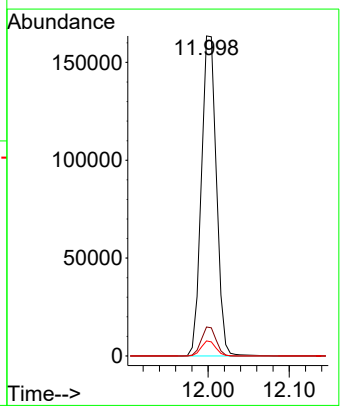
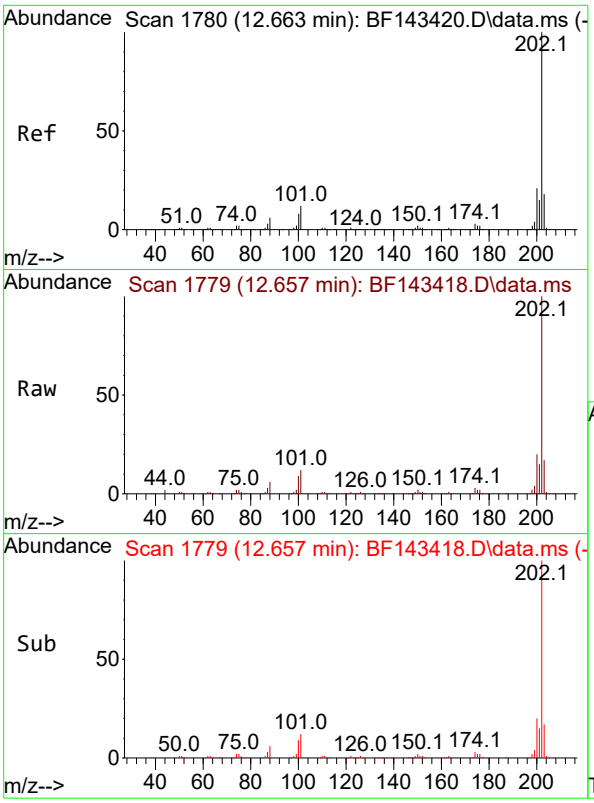


#74
Di-n-butylphthalate
Concen: 10.409 ng
RT: 11.998 min Scan# 1667
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:149 Resp: 209808

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.3	10.9
104	4.7	3.8	5.6

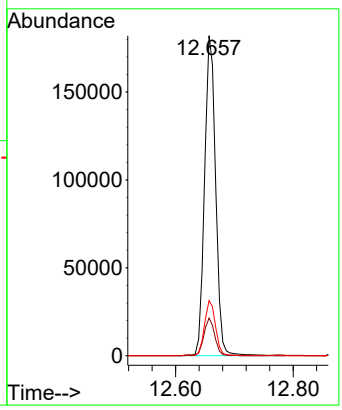




#75
Fluoranthene
Concen: 11.251 ng
RT: 12.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:202 Resp: 23688

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	31.5
203	17.2	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
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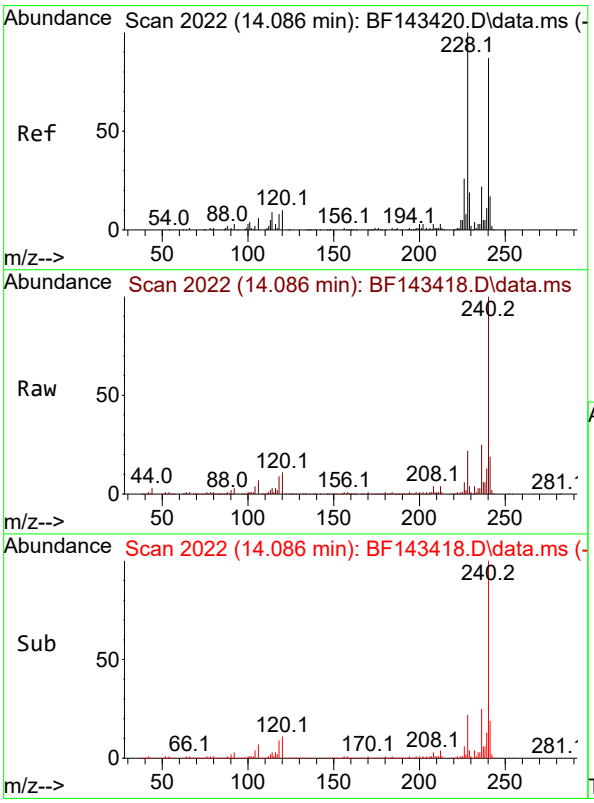
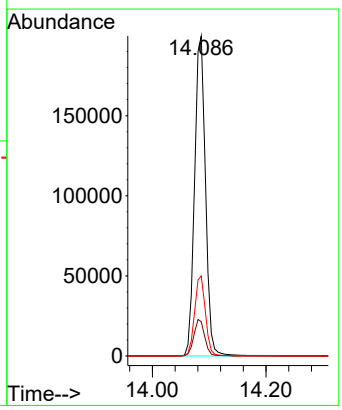
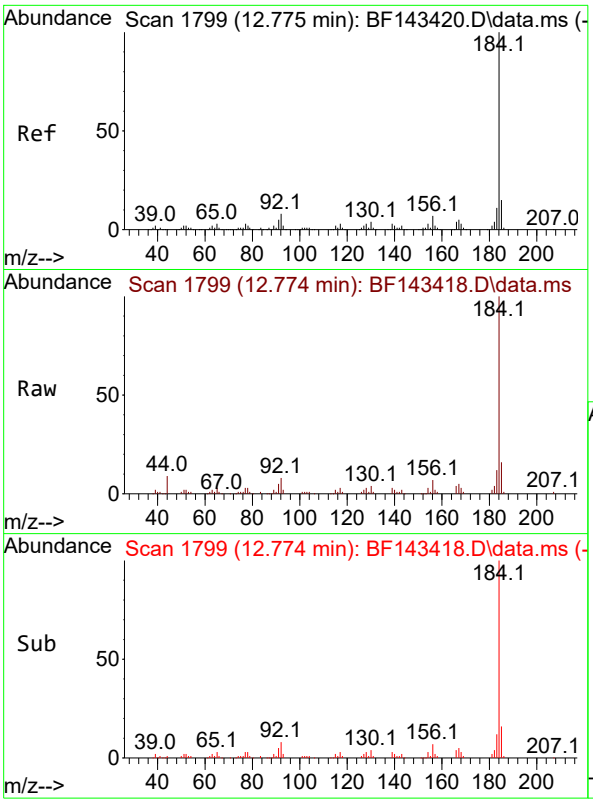


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:240 Resp: 267863

Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.0	13.4
236	25.0	20.2	30.2

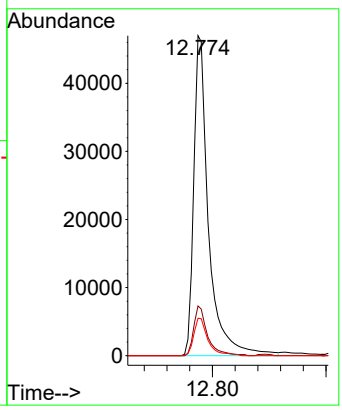




#77
Benzidine
Concen: 11.245 ng
RT: 12.774 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:184 Resp: 8527

Ion	Ratio	Lower	Upper
184	100		
185	15.6	12.2	18.2
183	11.7	9.2	13.8



Instrument :
BNA_F
ClientSampleId :
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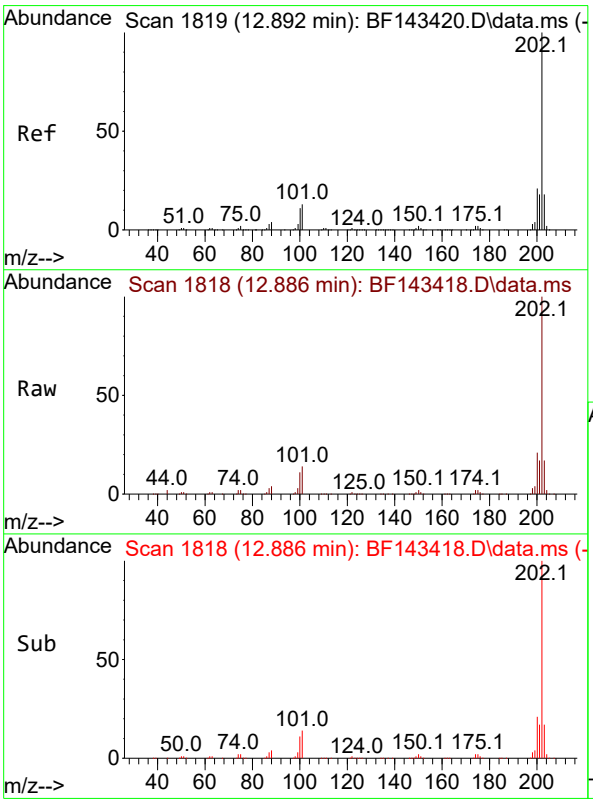
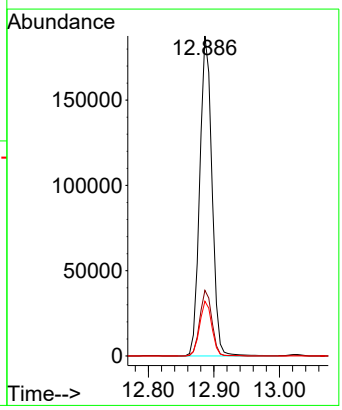
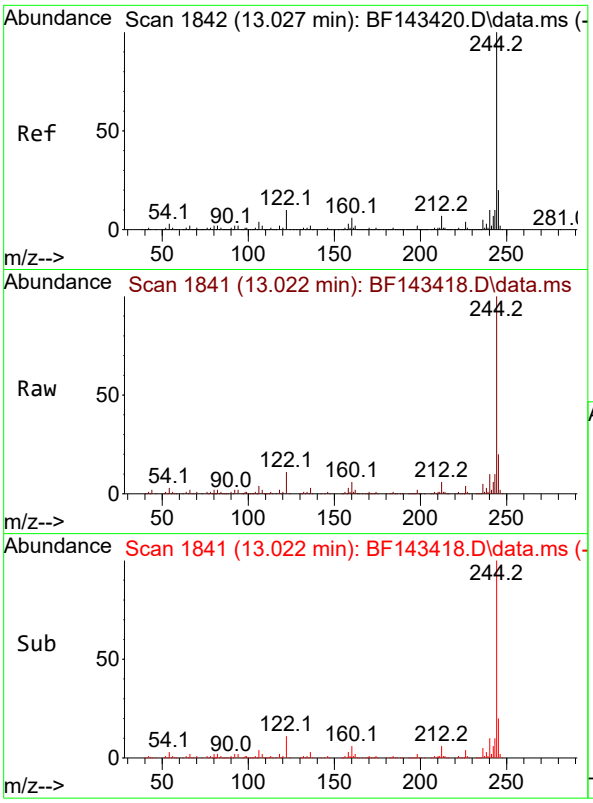


#78
Pyrene
Concen: 10.480 ng
RT: 12.886 min Scan# 1818
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:202 Resp: 243992

Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.1	25.7
203	17.1	14.2	21.2

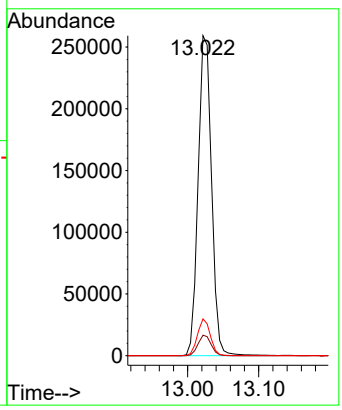




#79
Terphenyl-d14
Concen: 21.429 ng
RT: 13.022 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:244 Resp: 34169

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	11.5	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
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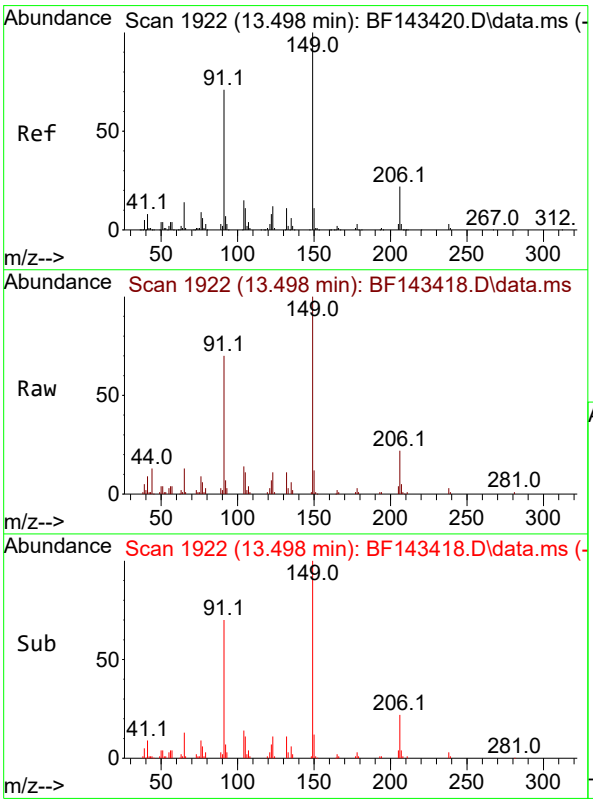
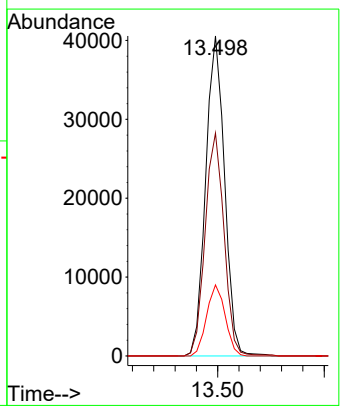
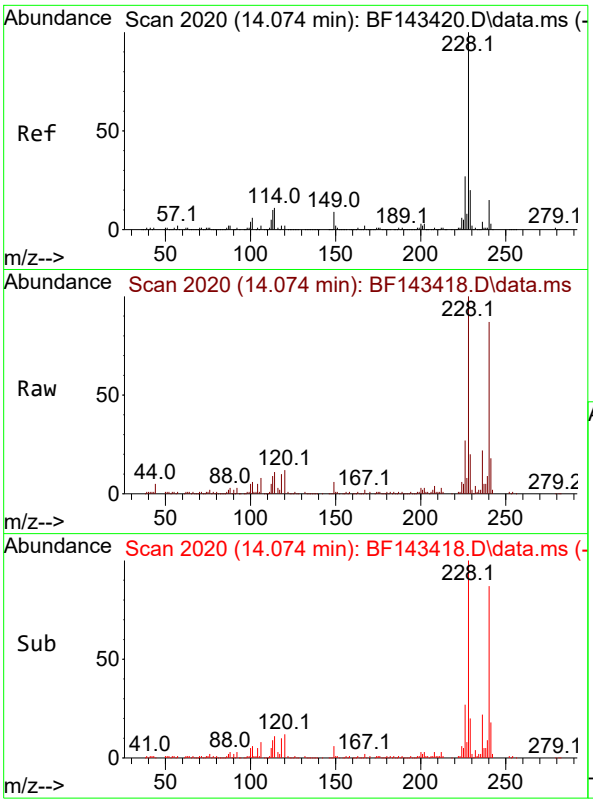


#80
Butylbenzylphthalate
Concen: 8.648 ng
RT: 13.498 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:149 Resp: 49871

Ion	Ratio	Lower	Upper
149	100		
91	69.7	57.0	85.4
206	22.2	17.6	26.4

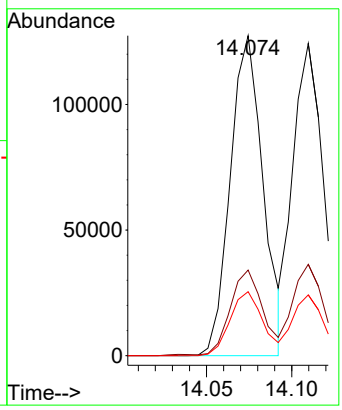




#81
Benzo(a)anthracene
Concen: 10.019 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:228 Resp: 17085

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.5	32.3
229	20.0	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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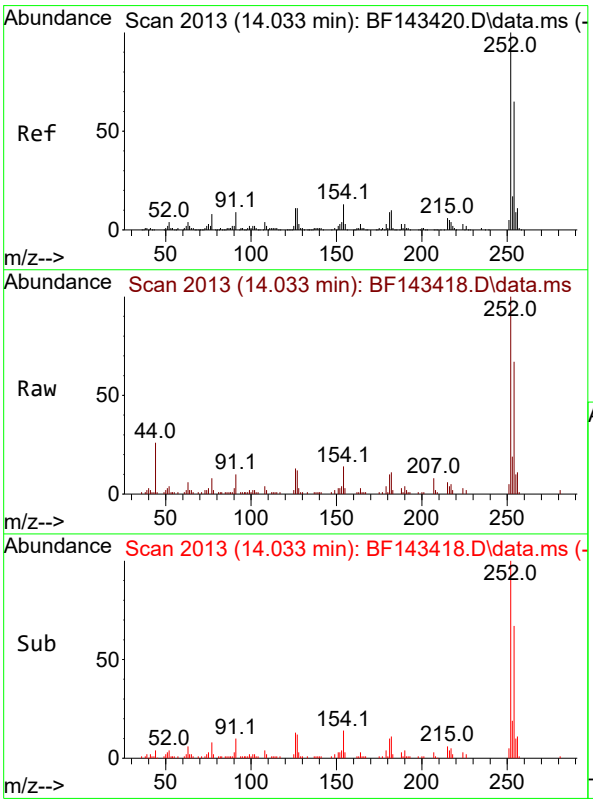
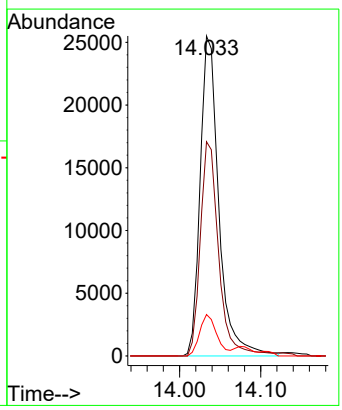
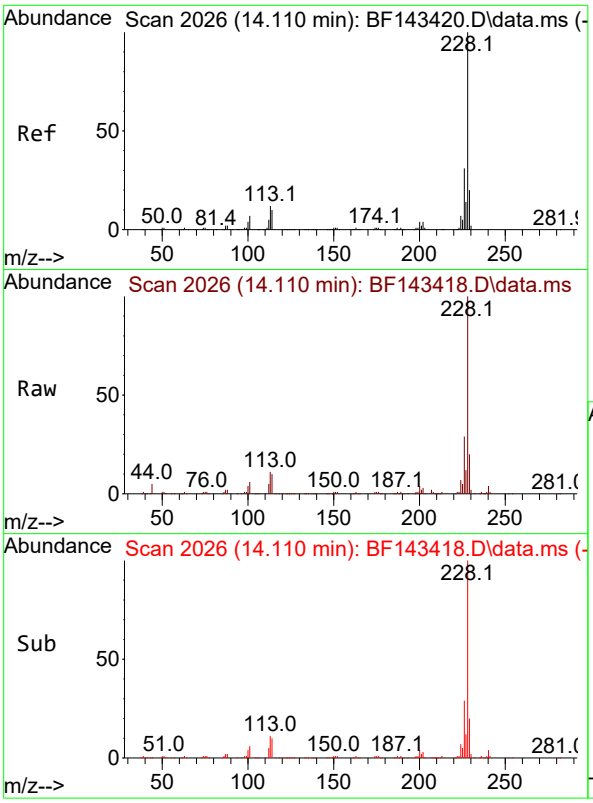


#82
3,3'-Dichlorobenzidine
Concen: 8.158 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:252 Resp: 40733

Ion	Ratio	Lower	Upper
252	100		
254	66.9	51.6	77.4
126	12.9	8.8	13.2





#83
Chrysene
Concen: 10.079 ng
RT: 14.110 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:228 Resp: 15889

Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.3	36.5
229	19.5	16.1	24.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

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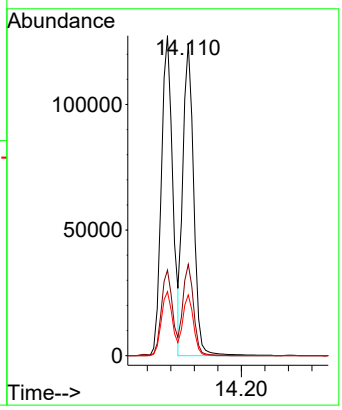
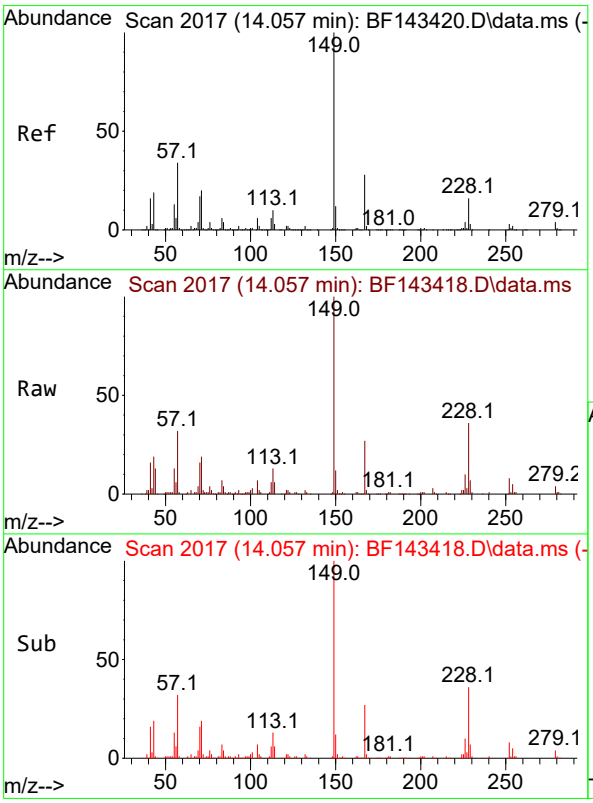
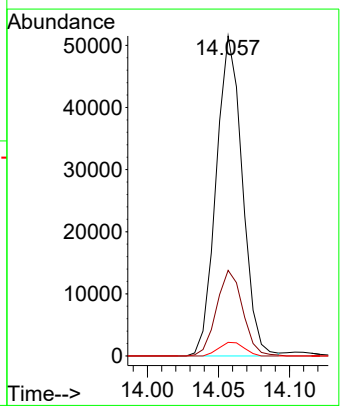


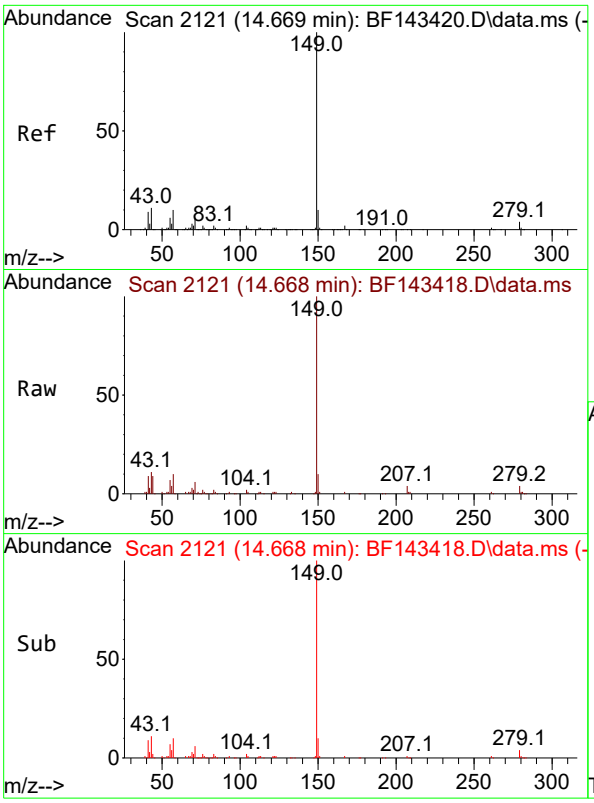


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.050 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:149 Resp: 65928

Ion	Ratio	Lower	Upper
149	100		
167	26.8	22.6	33.8
279	4.2	3.5	5.3

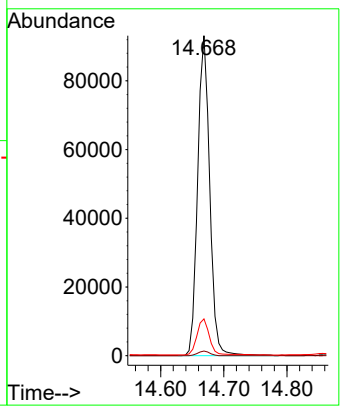




#85
Di-n-octyl phthalate
Concen: 7.410 ng
RT: 14.668 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:149 Resp: 12307

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.2	1.8
43	11.5	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
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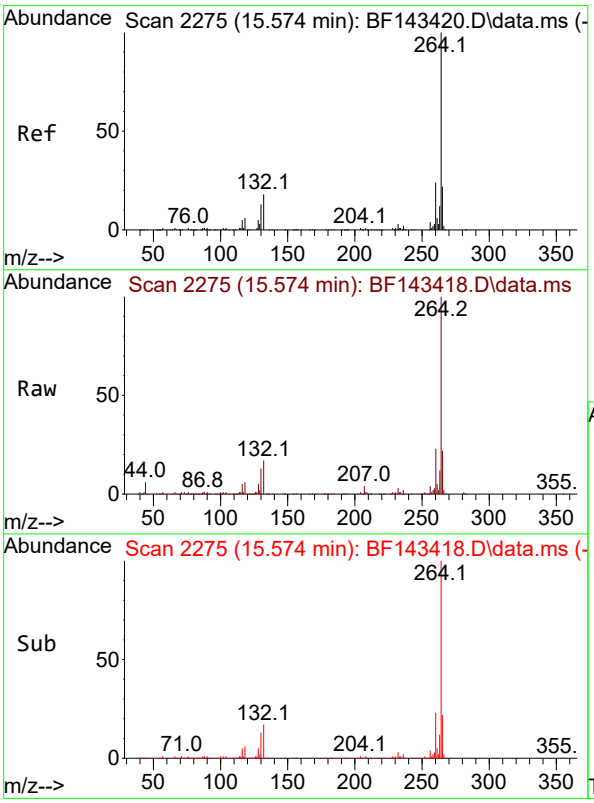
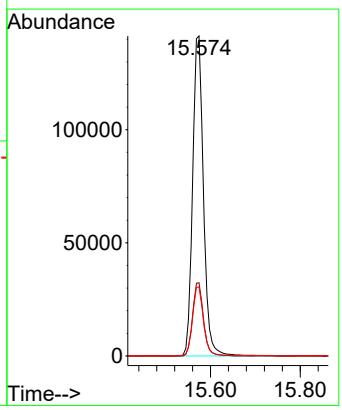
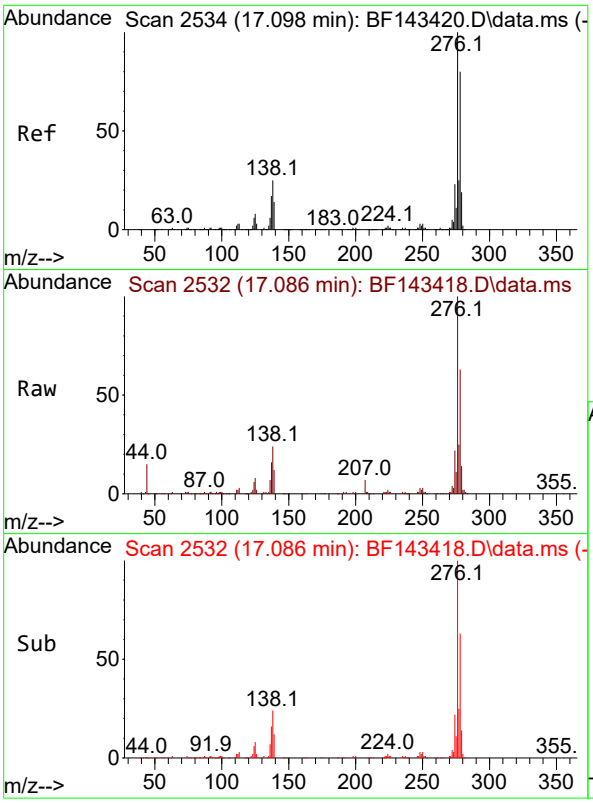


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:264 Resp: 237224

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.8	28.2
265	21.6	17.4	26.0

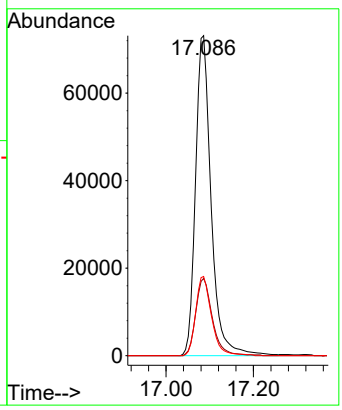




#87
Indeno(1,2,3-cd)pyrene
Concen: 10.222 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:276 Resp: 18183

Ion	Ratio	Lower	Upper
276	100		
138	25.7	20.2	30.4
277	25.0	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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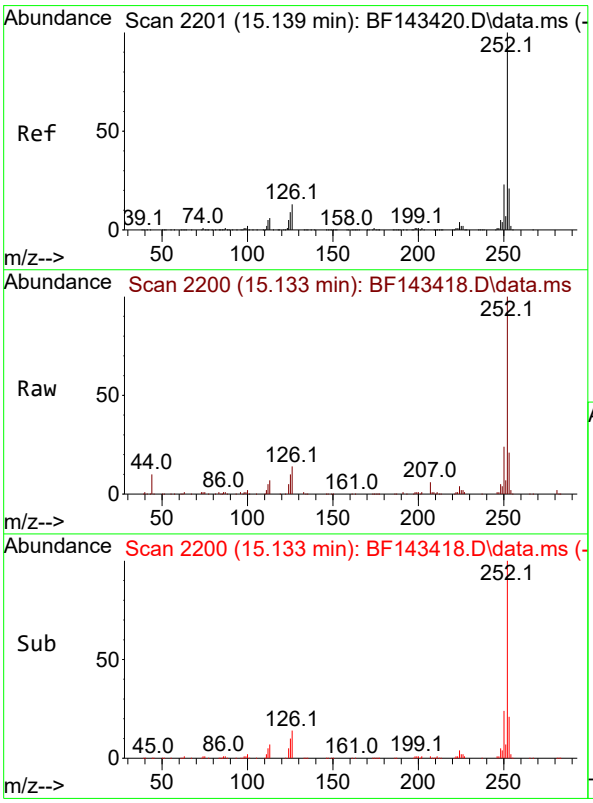
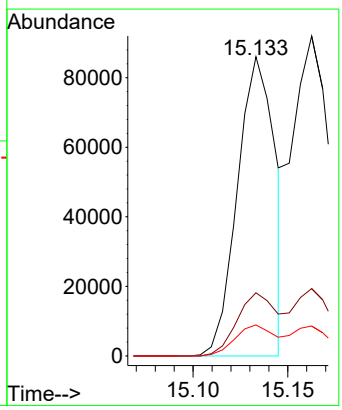
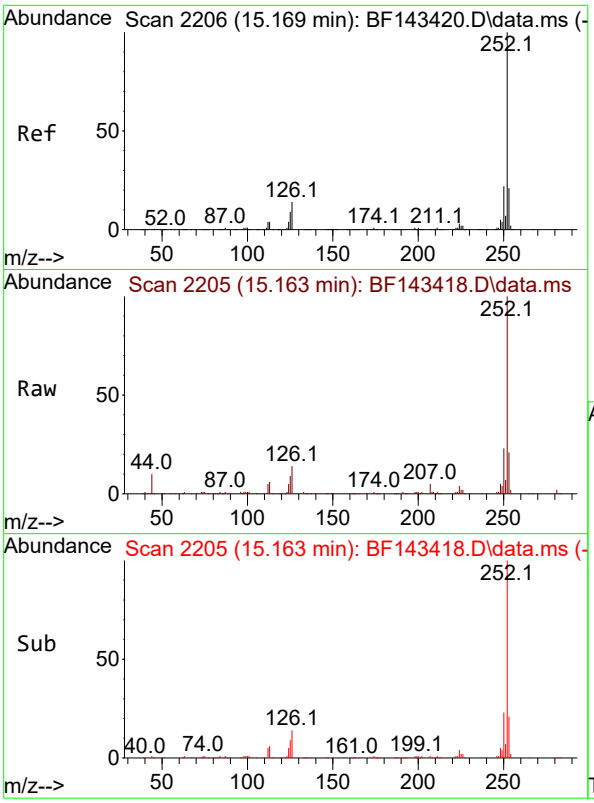


#88
Benzo(b)fluoranthene
Concen: 9.347 ng
RT: 15.133 min Scan# 2200
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:252 Resp: 118835

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.1	25.7
125	10.4	7.5	11.3

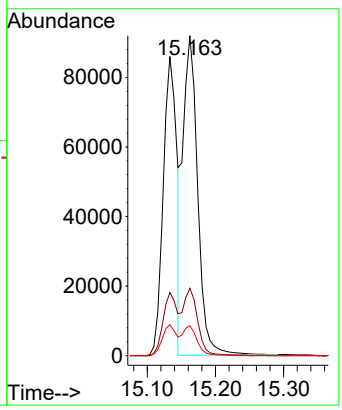




#89
Benzo(k)fluoranthene
Concen: 10.985 ng
RT: 15.163 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:252 Resp: 13775

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.2	25.8
125	9.3	7.4	11.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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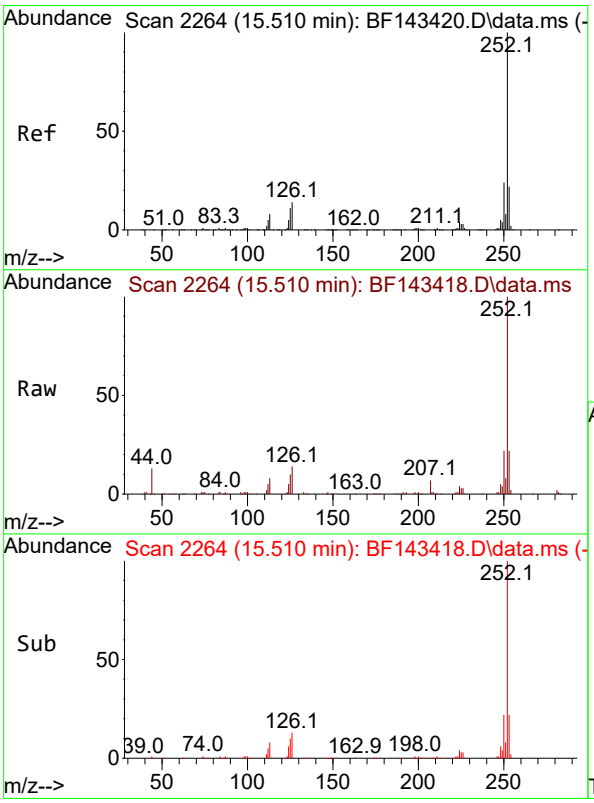
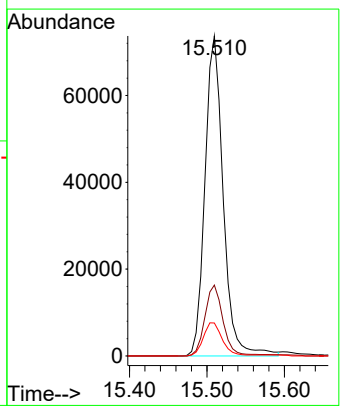
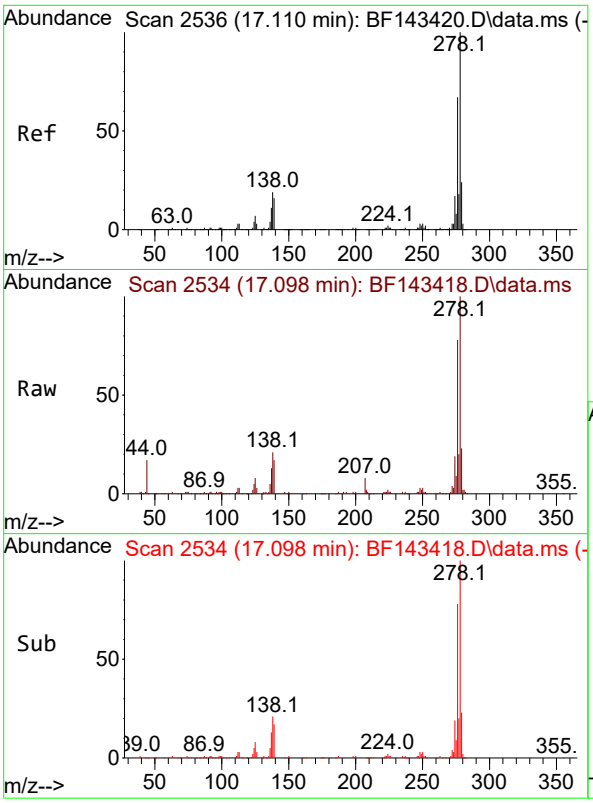


#90
Benzo(a)pyrene
Concen: 9.964 ng
RT: 15.510 min Scan# 2264
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:252 Resp: 120666

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	10.3	8.6	12.8

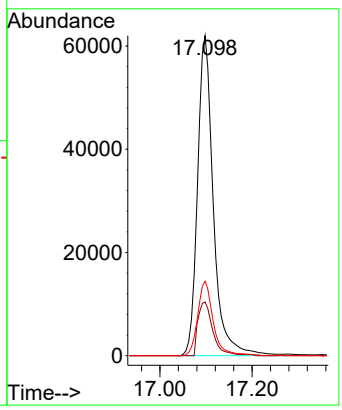




#91
Dibenzo(a,h)anthracene
Concen: 10.401 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:278 Resp: 14858

Ion	Ratio	Lower	Upper
278	100		
139	16.8	12.9	19.3
279	23.2	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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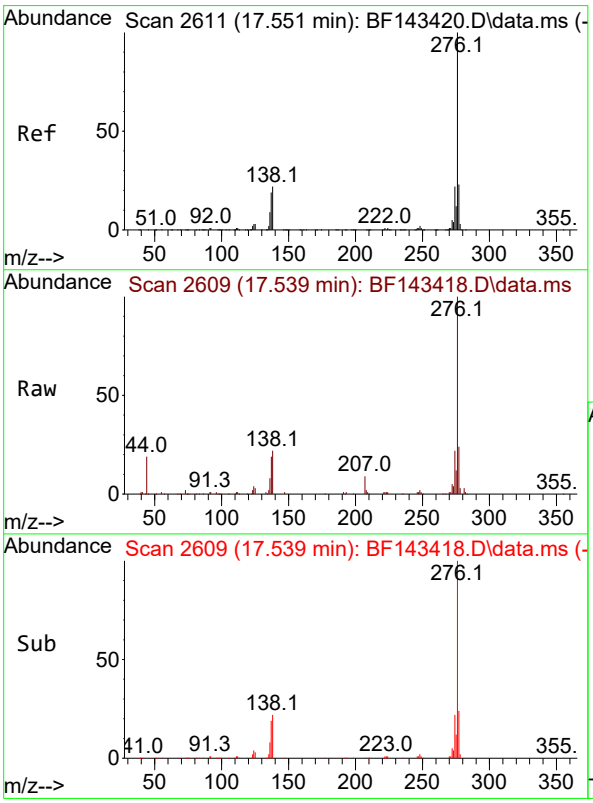
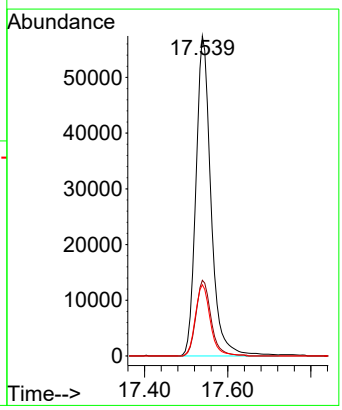


#92
Benzo(g,h,i)perylene
Concen: 10.133 ng
RT: 17.539 min Scan# 2609
Delta R.T. -0.012 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:276 Resp: 144617

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.7	28.1
138	22.3	17.5	26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143419.D
Acq On : 15 Aug 2025 15:58
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 15 18:26:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	131465	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	508953	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	281751	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	446308	20.000	ng	0.00
76) Chrysene-d12	14.086	240	237684	20.000	ng	0.00
86) Perylene-d12	15.574	264	269028	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	322905	42.697	ng	0.00
7) Phenol-d6	6.557	99	403785	42.366	ng	0.00
23) Nitrobenzene-d5	7.481	82	358277	41.772	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	104587	41.705	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	727542	43.433	ng	0.00
79) Terphenyl-d14	13.027	244	631704	44.646	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.734	88	74627	20.500	ng	99
3) Pyridine	3.516	79	195638	20.491	ng	99
4) n-Nitrosodimethylamine	3.440	42	88004	19.831	ng	97
6) Aniline	6.587	93	274228	21.194	ng	98
8) 2-Chlorophenol	6.716	128	177182	21.221	ng	98
9) Benzaldehyde	6.475	77	140473	27.706	ng	99
10) Phenol	6.569	94	239446	21.530	ng	92
11) bis(2-Chloroethyl)ether	6.657	93	171939	20.856	ng	98
12) 1,3-Dichlorobenzene	6.869	146	197517	21.118	ng	99
13) 1,4-Dichlorobenzene	6.946	146	196309	21.024	ng	99
14) 1,2-Dichlorobenzene	7.098	146	188077	21.088	ng	100
15) Benzyl Alcohol	7.063	79	145881	20.755	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.193	45	301172	21.369	ng	99
17) 2-Methylphenol	7.175	107	141953	20.838	ng	98
18) Hexachloroethane	7.440	117	67502	21.238	ng	99
19) n-Nitroso-di-n-propyla...	7.328	70	123829	20.987	ng	98
20) 3+4-Methylphenols	7.328	107	182897	22.454	ng	98
22) Acetophenone	7.328	105	234922	21.468	ng	99
24) Nitrobenzene	7.504	77	189535	21.143	ng	99
25) Isophorone	7.740	82	341350	20.794	ng	100
26) 2-Nitrophenol	7.822	139	86694	20.862	ng	99
27) 2,4-Dimethylphenol	7.857	122	153145	21.796	ng	99
28) bis(2-Chloroethoxy)met...	7.951	93	210282	20.840	ng	100
29) 2,4-Dichlorophenol	8.069	162	153094	21.374	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	154544	21.058	ng	98
31) Naphthalene	8.228	128	515775	21.346	ng	100
32) Benzoic acid	7.957	122	71922m	19.776	ng	
33) 4-Chloroaniline	8.275	127	184406	21.143	ng	99
34) Hexachlorobutadiene	8.351	225	97824	20.903	ng	99
35) Caprolactam	8.622	113	42831	20.770	ng	97
36) 4-Chloro-3-methylphenol	8.757	107	153403	20.795	ng	98
37) 2-Methylnaphthalene	8.922	142	349766	21.475	ng	100
38) 1-Methylnaphthalene	9.022	142	337056	21.600	ng	100
40) 1,2,4,5-Tetrachloroben...	9.087	216	164739	20.965	ng	99
41) Hexachlorocyclopentadiene	9.075	237	39498	19.242	ng	99
43) 2,4,6-Trichlorophenol	9.198	196	102250	20.860	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143419.D
Acq On : 15 Aug 2025 15:58
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 15 18:26:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/18/2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.239	196	111266	21.177	ng	98
46) 1,1'-Biphenyl	9.381	154	423276	21.382	ng	99
47) 2-Chloronaphthalene	9.410	162	332051	21.249	ng	98
48) 2-Nitroaniline	9.498	65	96534	20.759	ng	100
49) Acenaphthylene	9.822	152	480293	21.288	ng	99
50) Dimethylphthalate	9.675	163	367621	20.928	ng	99
51) 2,6-Dinitrotoluene	9.734	165	72730	21.003	ng	99
52) Acenaphthene	9.992	154	322026	21.221	ng	100
53) 3-Nitroaniline	9.910	138	79853	20.702	ng	99
54) 2,4-Dinitrophenol	10.022	184	24644	19.975	ng	97
55) Dibenzofuran	10.169	168	468229	21.390	ng	99
56) 4-Nitrophenol	10.075	139	47964	19.778	ng	98
57) 2,4-Dinitrotoluene	10.139	165	97735	21.170	ng	97
58) Fluorene	10.510	166	362746	21.570	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.286	232	82552	20.756	ng	96
60) Diethylphthalate	10.375	149	342918	21.125	ng	99
61) 4-Chlorophenyl-phenyle...	10.498	204	175302	21.084	ng	99
62) 4-Nitroaniline	10.516	138	76220	21.129	ng	99
63) Azobenzene	10.657	77	346304	21.108	ng	98
65) 4,6-Dinitro-2-methylph...	10.551	198	43027	18.685	ng	96
66) n-Nitrosodiphenylamine	10.616	169	301902	20.804	ng	99
67) 4-Bromophenyl-phenylether	10.986	248	108605	20.607	ng	96
68) Hexachlorobenzene	11.063	284	115655	20.642	ng	99
69) Atrazine	11.139	200	87958	20.722	ng	98
70) Pentachlorophenol	11.257	266	47465	19.081	ng	98
71) Phenanthrene	11.475	178	505004	20.895	ng	100
72) Anthracene	11.522	178	520546	21.325	ng	100
73) Carbazole	11.675	167	435759	21.107	ng	100
74) Di-n-butylphthalate	12.004	149	433056	21.064	ng	100
75) Fluoranthene	12.657	202	458001	21.327	ng	99
77) Benzidine	12.775	184	178128	26.473	ng	99
78) Pyrene	12.886	202	463473	22.435	ng	99
80) Butylbenzylphthalate	13.498	149	105931	20.702	ng	99
81) Benzo(a)anthracene	14.074	228	313332	20.706	ng	100
82) 3,3'-Dichlorobenzidine	14.033	252	90692	20.470	ng	98
83) Chrysene	14.110	228	294690	21.065	ng	98
84) Bis(2-ethylhexyl)phtha...	14.057	149	148211	20.395	ng	99
85) Di-n-octyl phthalate	14.669	149	287456	19.503	ng	100
87) Indeno(1,2,3-cd)pyrene	17.092	276	422226	20.929	ng	99
88) Benzo(b)fluoranthene	15.133	252	311415	21.598	ng	99
89) Benzo(k)fluoranthene	15.163	252	274840	19.326	ng	99
90) Benzo(a)pyrene	15.510	252	283654	20.655	ng	99
91) Dibenzo(a,h)anthracene	17.104	278	343124	21.179	ng	99
92) Benzo(g,h,i)perylene	17.545	276	338060	20.888	ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

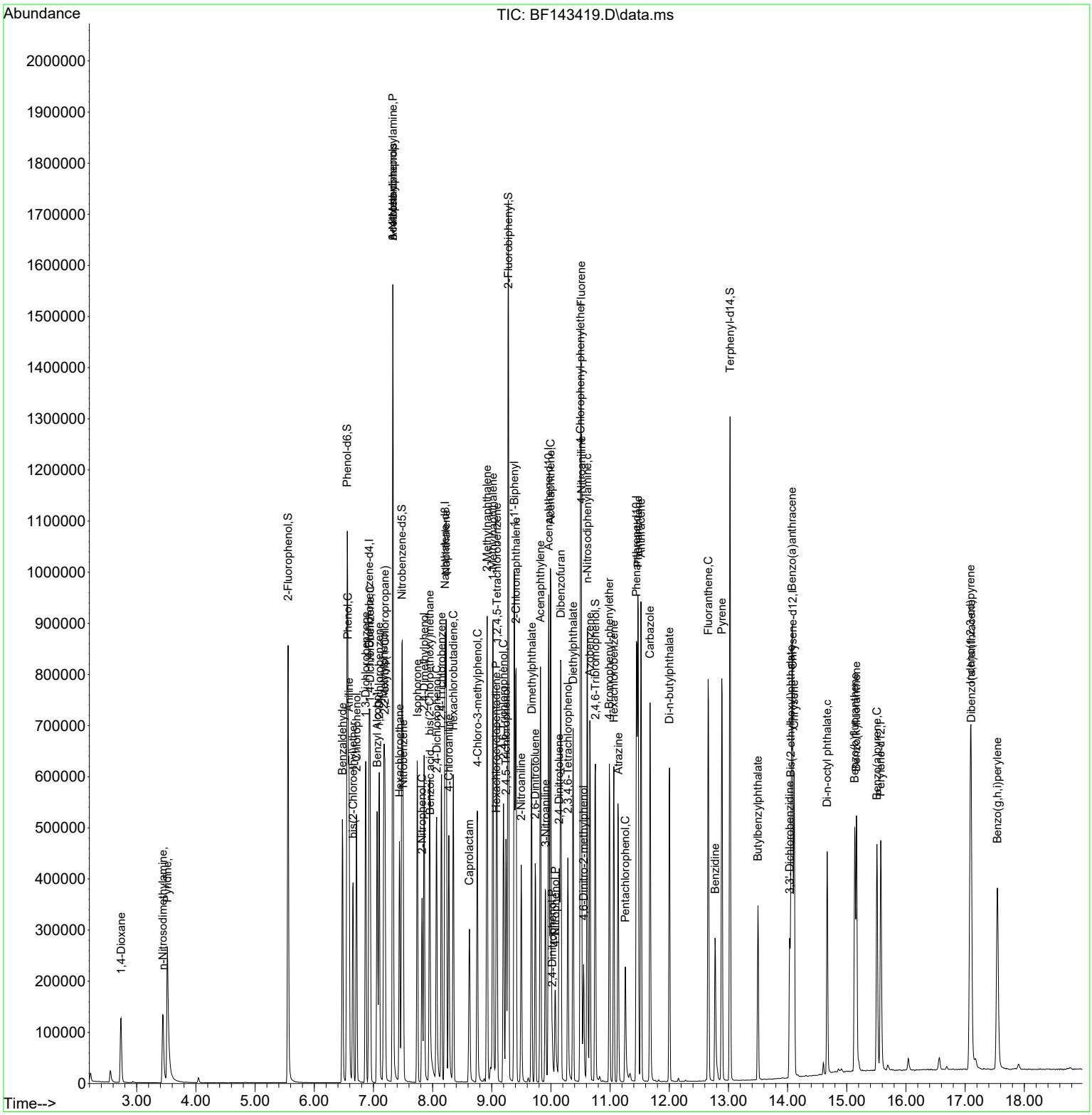
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143419.D
Acq On : 15 Aug 2025 15:58
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

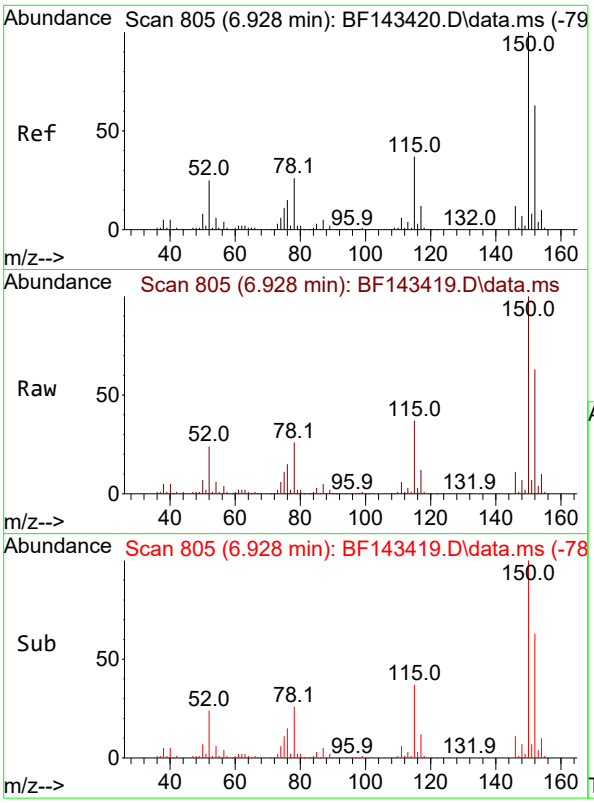
Quant Time: Aug 15 18:26:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

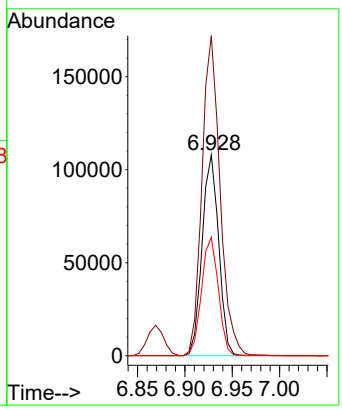




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:152 Resp: 13146

Ion	Ratio	Lower	Upper
152	100		
150	159.5	127.4	191.2
115	59.0	47.5	71.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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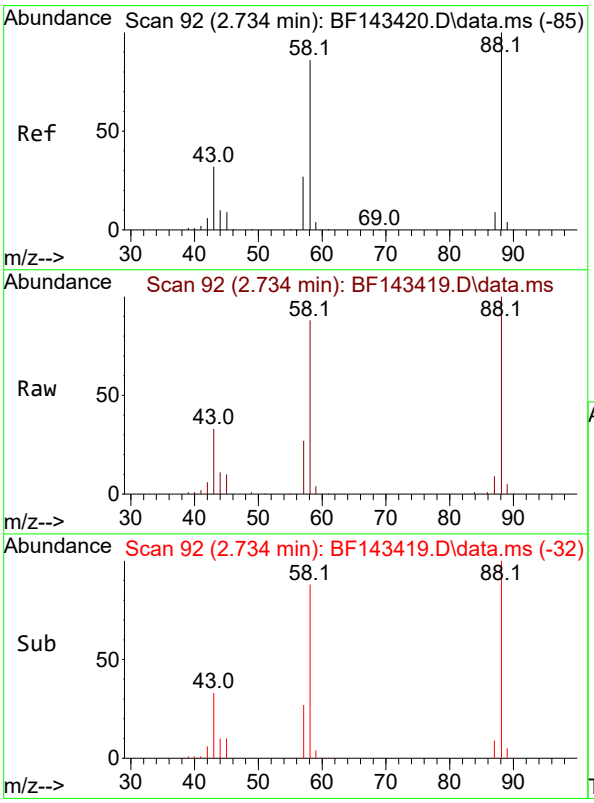
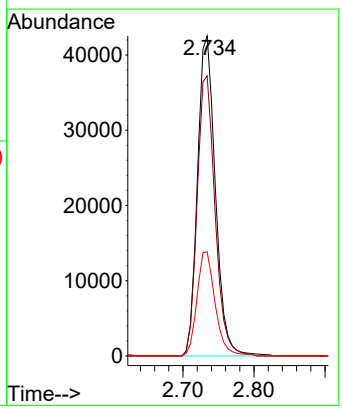
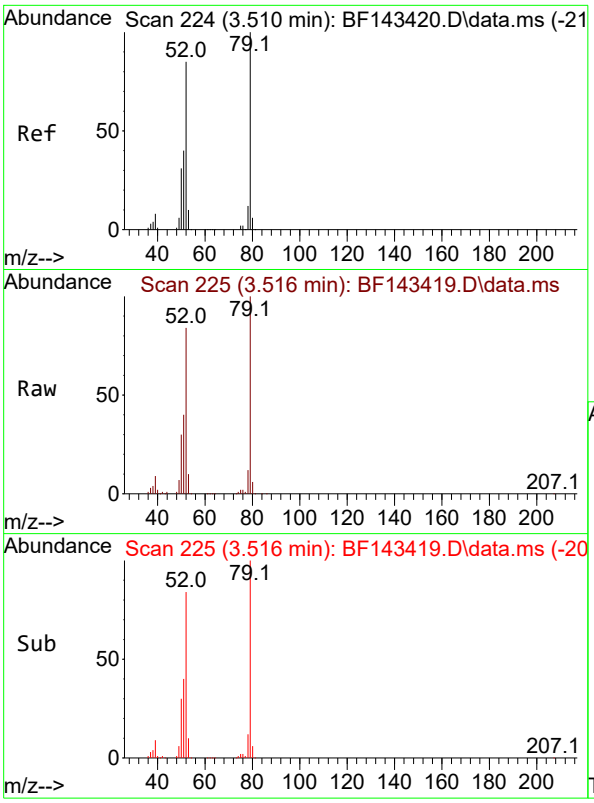


#2
1,4-Dioxane
Concen: 20.500 ng
RT: 2.734 min Scan# 92
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 88 Resp: 74627

Ion	Ratio	Lower	Upper
88	100		
58	87.5	68.7	103.1
43	33.1	26.1	39.1

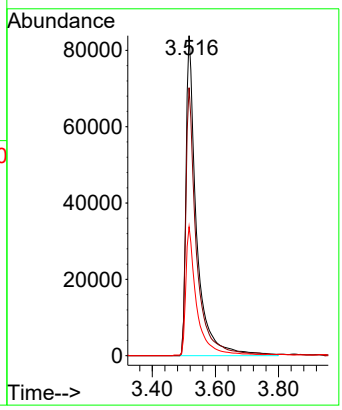




#3
Pyridine
Concen: 20.491 ng
RT: 3.516 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 79 Resp: 19563

Ion	Ratio	Lower	Upper
79	100		
52	83.8	67.7	101.5
51	40.3	32.3	48.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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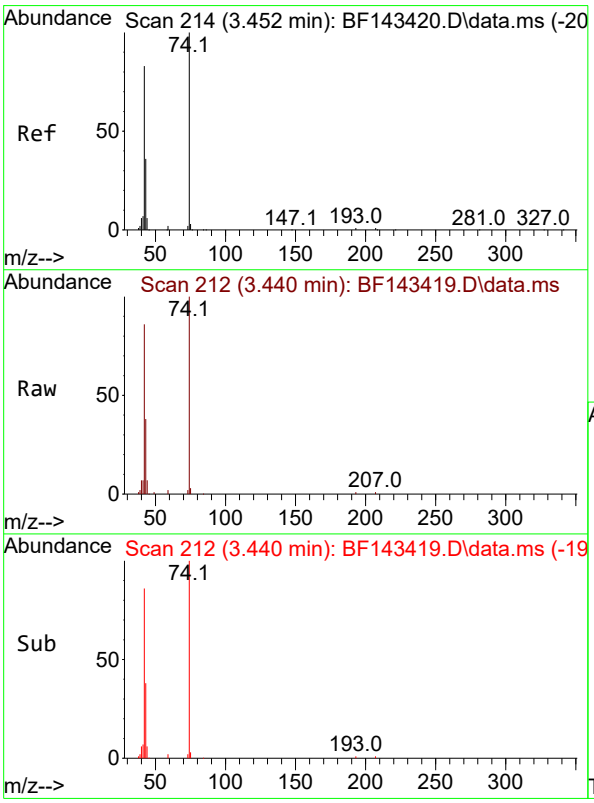
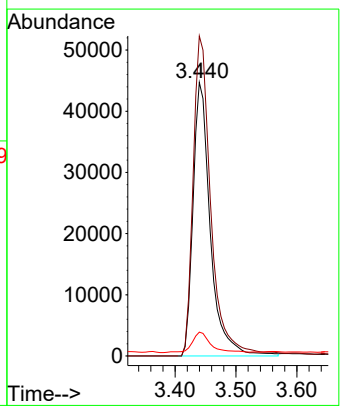
Supervised By :Jagrut Upadhyay 08/18/2025

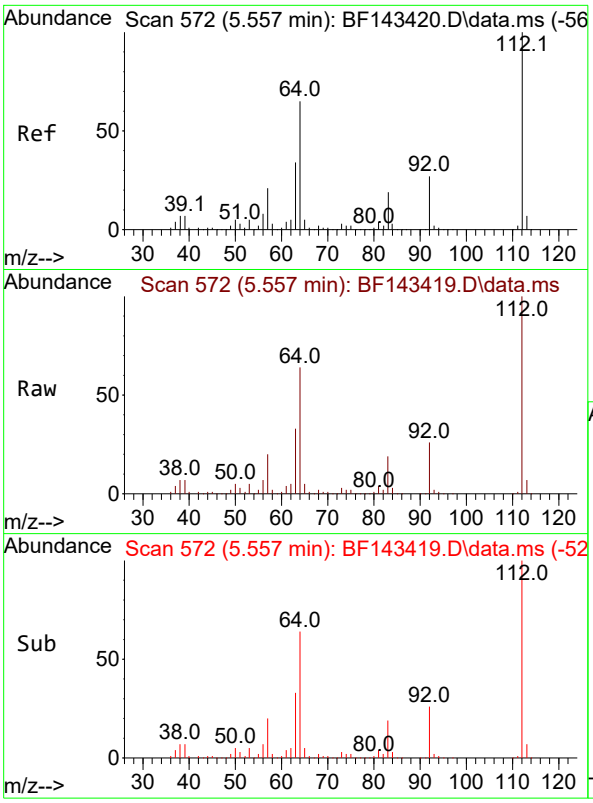


#4
n-Nitrosodimethylamine
Concen: 19.831 ng
RT: 3.440 min Scan# 212
Delta R.T. -0.012 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 42 Resp: 88004

Ion	Ratio	Lower	Upper
42	100		
74	117.0	96.2	144.4
44	8.7	5.9	8.9

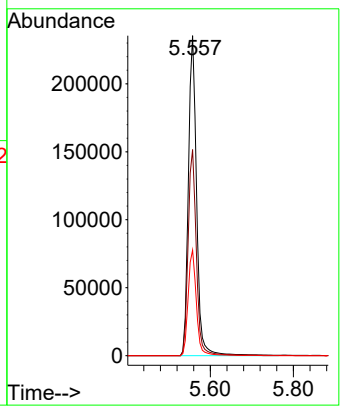




#5
2-Fluorophenol
Concen: 42.697 ng
RT: 5.557 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:112 Resp: 32290

Ion	Ratio	Lower	Upper
112	100		
64	64.4	52.2	78.2
63	33.0	27.0	40.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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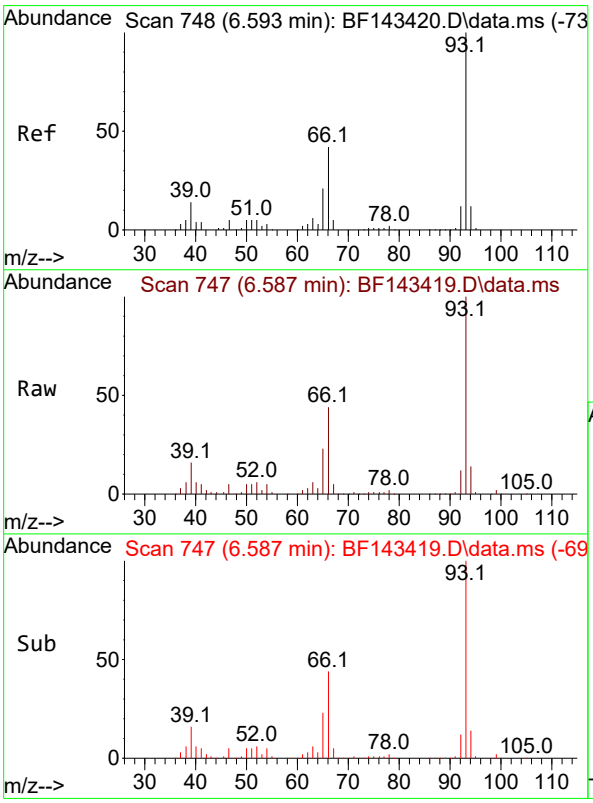
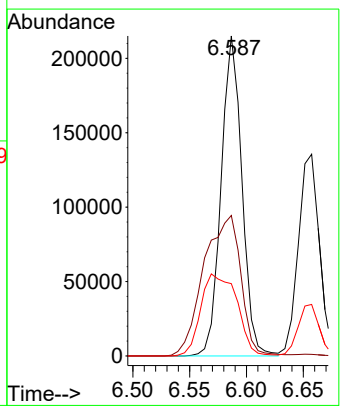
Supervised By :Jagrut Upadhyay 08/18/2025

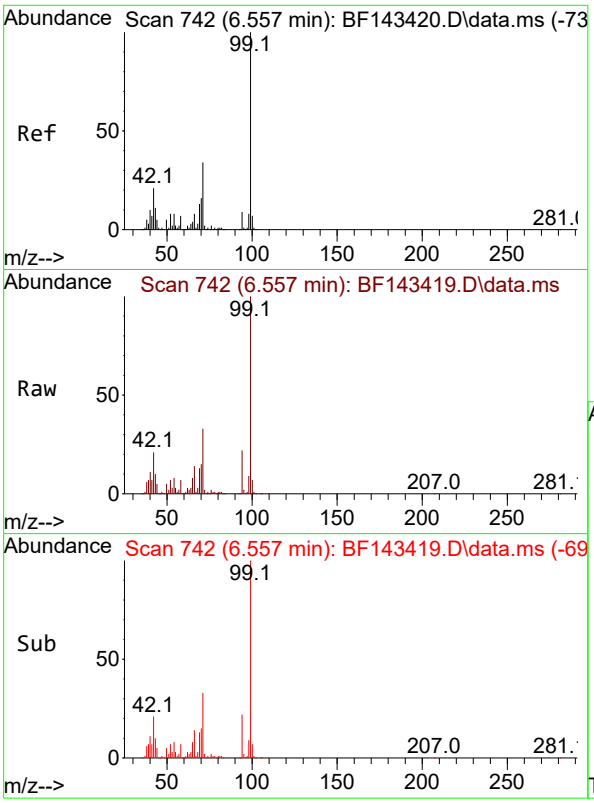


#6
Aniline
Concen: 21.194 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 93 Resp: 274228

Ion	Ratio	Lower	Upper
93	100		
66	43.9	33.8	50.8
65	22.6	17.2	25.8





#7
Phenol-d6
Concen: 42.366 ng
RT: 6.557 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 99 Resp: 40378

Ion	Ratio	Lower	Upper
99	100		
42	20.6	17.0	25.6
71	33.4	27.4	41.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
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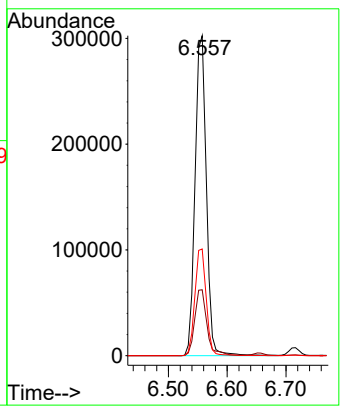
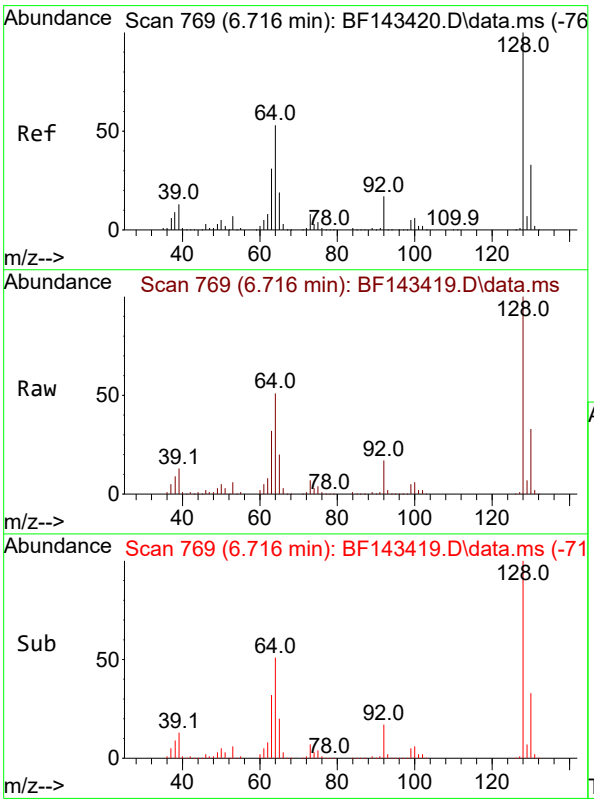
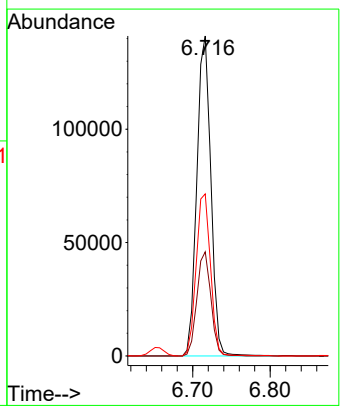


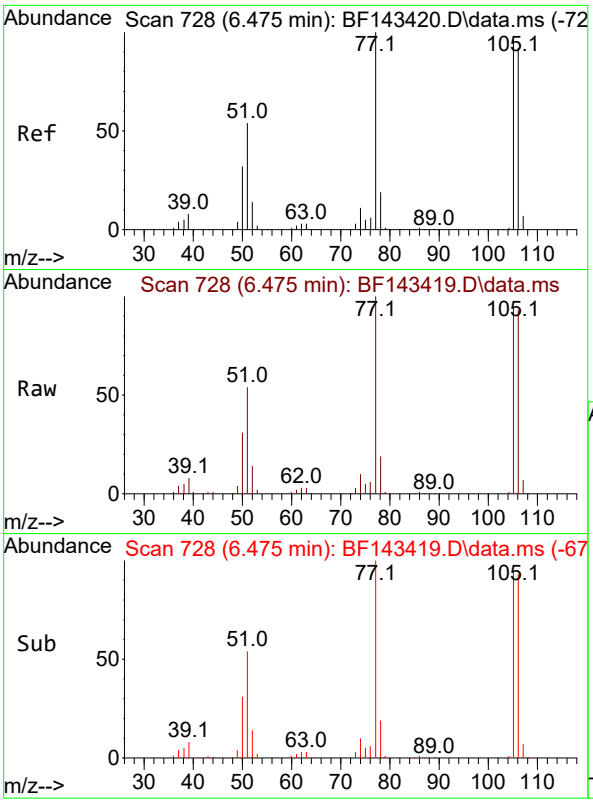


#8
2-Chlorophenol
Concen: 21.221 ng
RT: 6.716 min Scan# 769
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:128 Resp: 177182

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.9	52.9
64	50.6	33.1	73.1

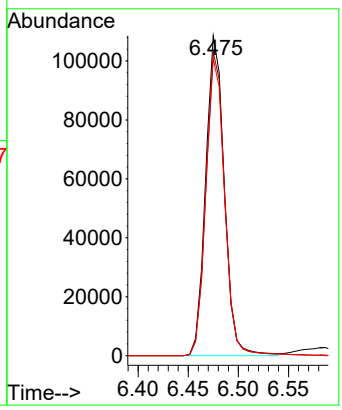




#9
Benzaldehyde
Concen: 27.706 ng
RT: 6.475 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 77 Resp: 14047

Ion	Ratio	Lower	Upper
77	100		
105	94.9	75.5	115.5
106	92.8	72.0	112.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

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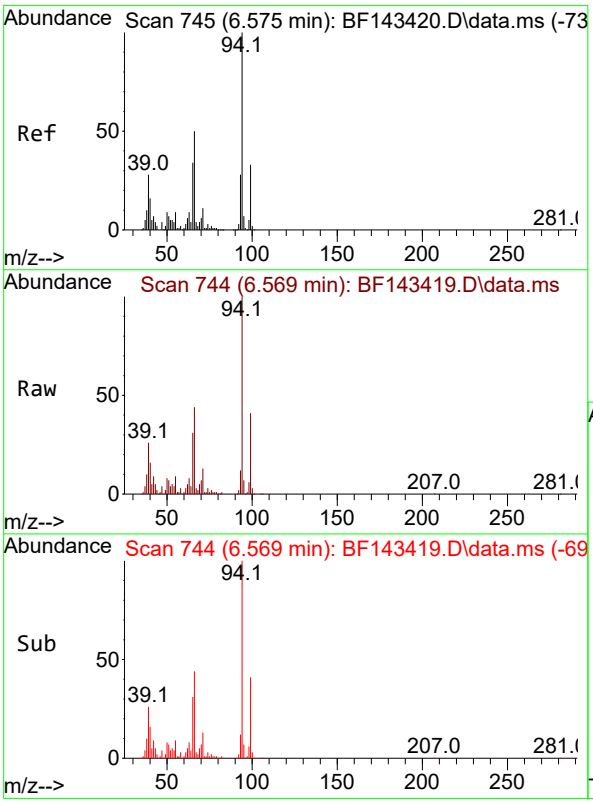
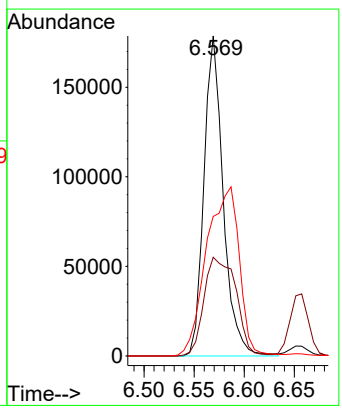
Supervised By :Jagrut Upadhyay 08/18/2025

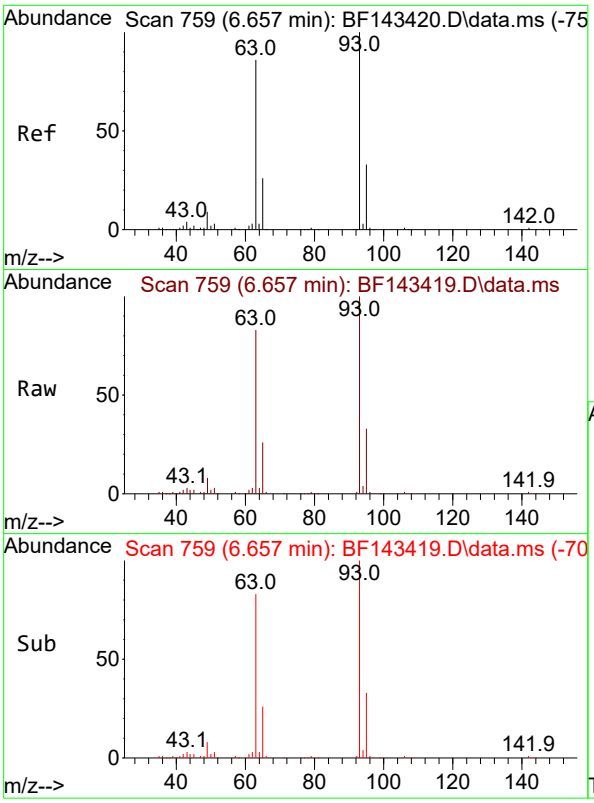


#10
Phenol
Concen: 21.530 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 94 Resp: 239446

Ion	Ratio	Lower	Upper
94	100		
65	30.9	13.7	53.7
66	43.6	30.3	70.3

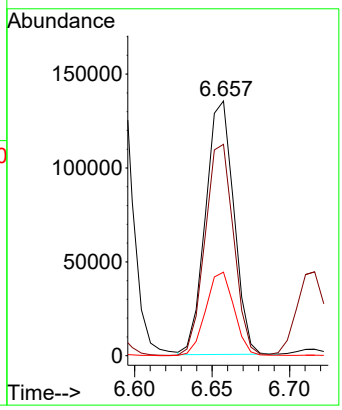




#11
bis(2-Chloroethyl)ether
Concen: 20.856 ng
RT: 6.657 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 93 Resp: 17193

Ion	Ratio	Lower	Upper
93	100		
63	83.0	65.4	105.4
95	32.8	12.8	52.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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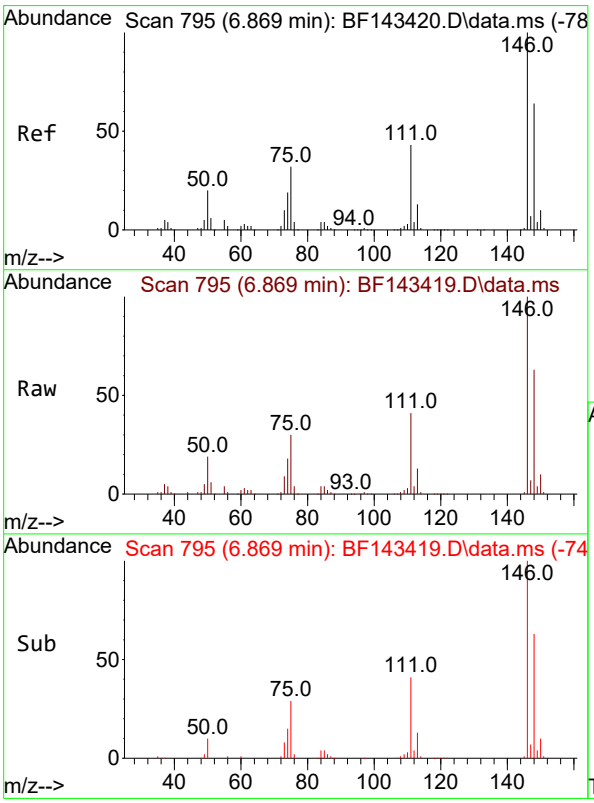
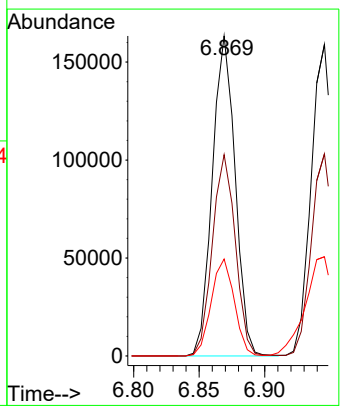
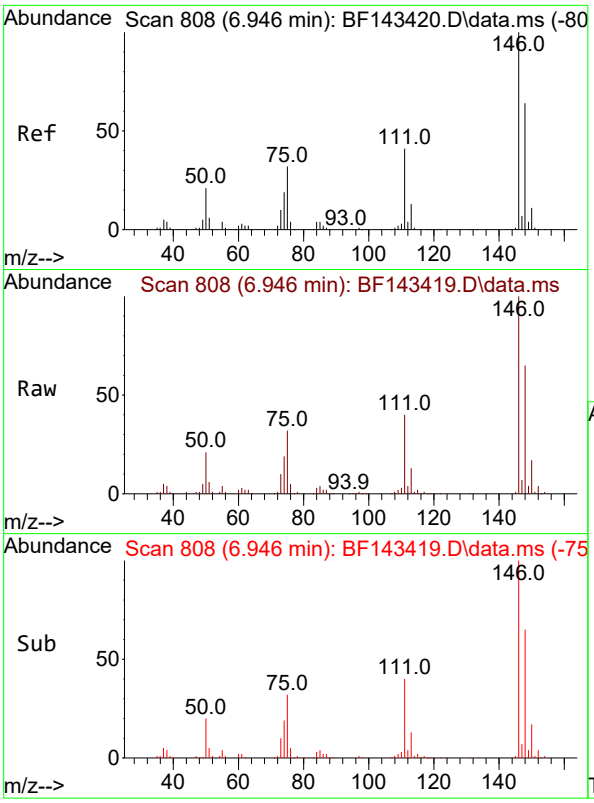


#12
1,3-Dichlorobenzene
Concen: 21.118 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:146 Resp: 197517

Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.0	76.4
75	30.3	25.3	37.9





#13
1,4-Dichlorobenzene
Concen: 21.024 ng
RT: 6.946 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:146 Resp: 19630

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.1	76.7
111	39.9	32.5	48.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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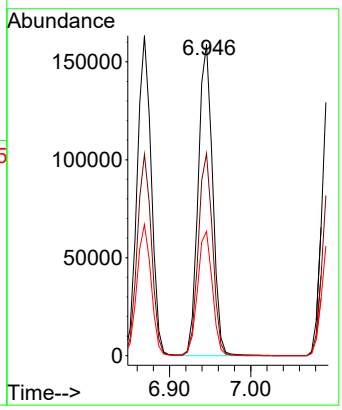
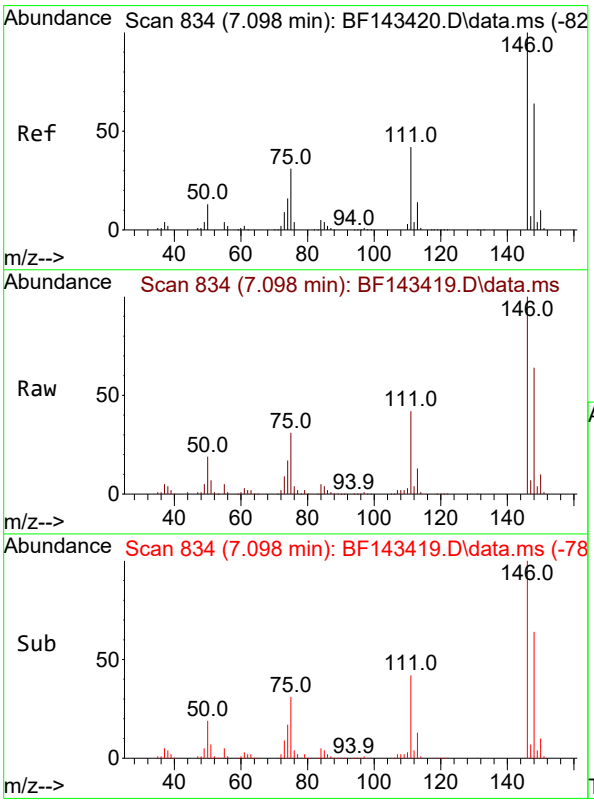
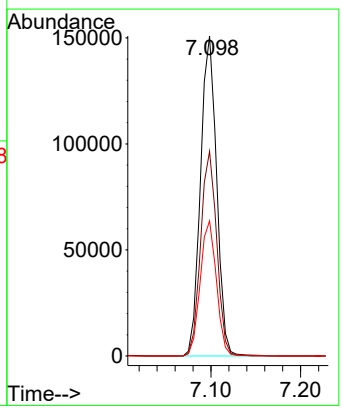


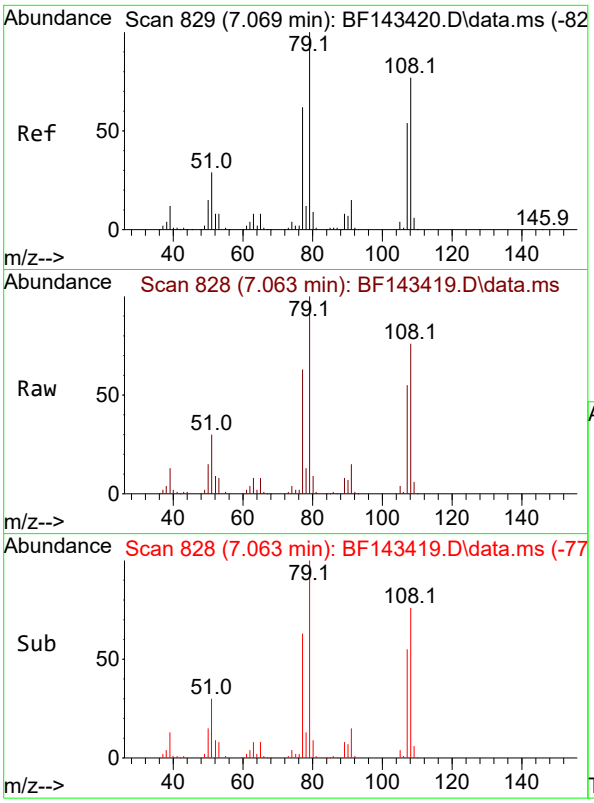


#14
1,2-Dichlorobenzene
Concen: 21.088 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:146 Resp: 188077

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.4	77.0
111	42.2	33.9	50.9





#15
Benzyl Alcohol
Concen: 20.755 ng
RT: 7.063 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 79 Resp: 14588

Ion	Ratio	Lower	Upper
79	100		
108	76.2	61.9	92.9
77	62.7	49.2	73.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
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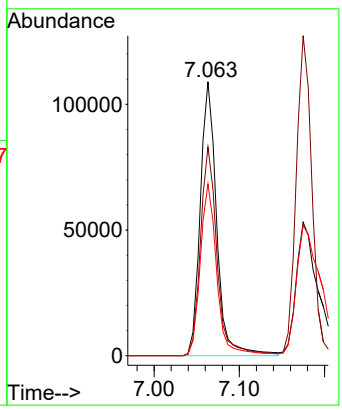
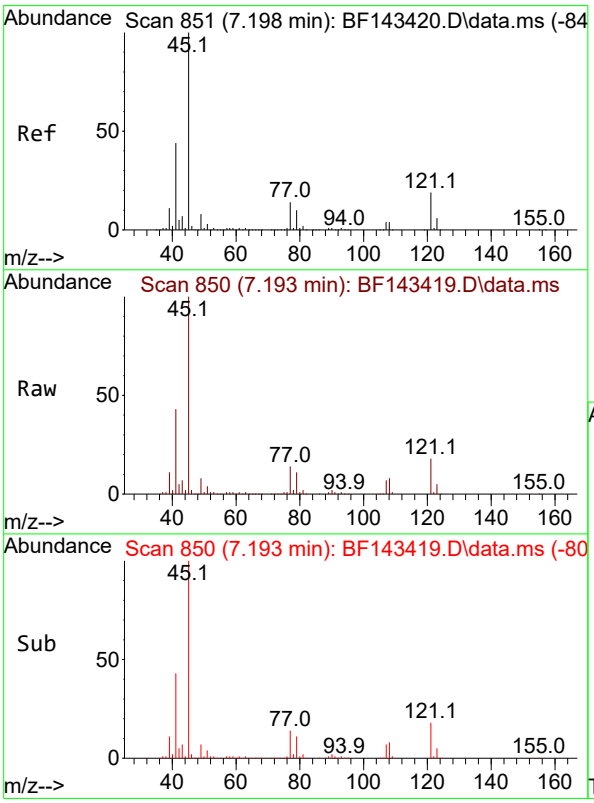
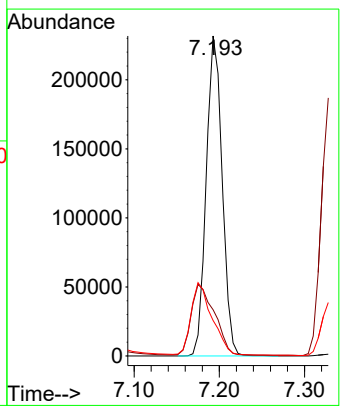


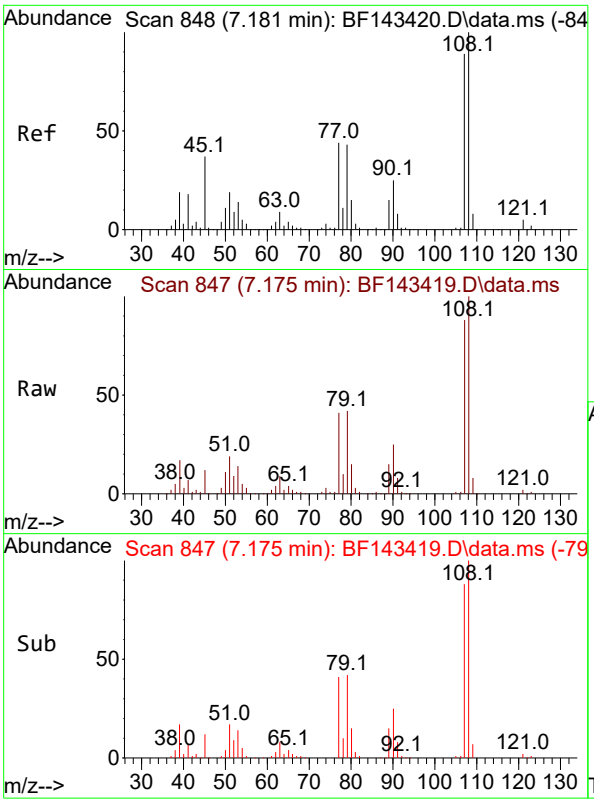


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.369 ng
RT: 7.193 min Scan# 850
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 45 Resp: 301172

Ion	Ratio	Lower	Upper
45	100		
77	14.5	0.0	33.9
79	11.1	0.0	30.7

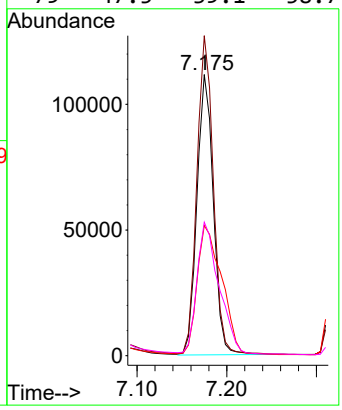




#17
2-Methylphenol
Concen: 20.838 ng
RT: 7.175 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:107 Resp: 14195

Ion	Ratio	Lower	Upper
107	100		
108	113.8	90.1	135.1
77	46.2	39.9	59.9
79	47.5	39.1	58.7



Instrument :
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ClientSampleId :
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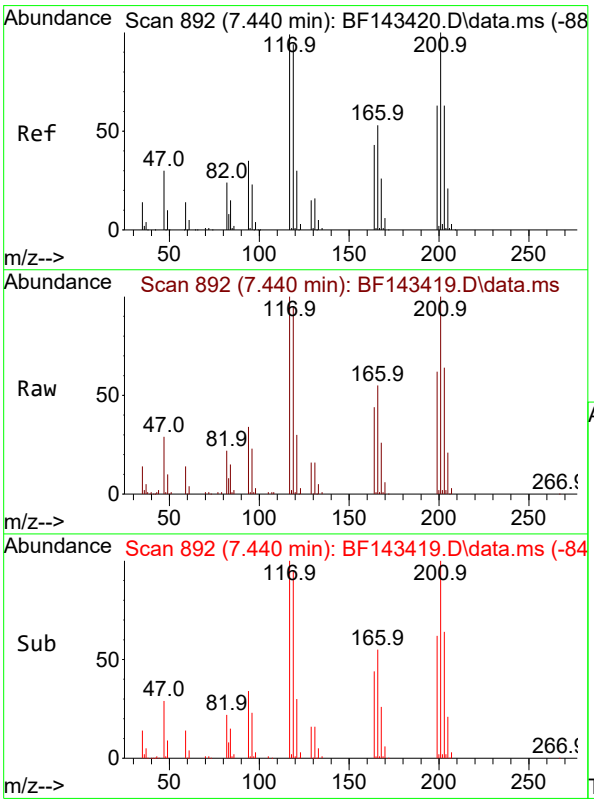
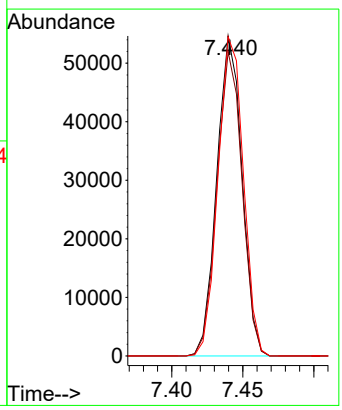
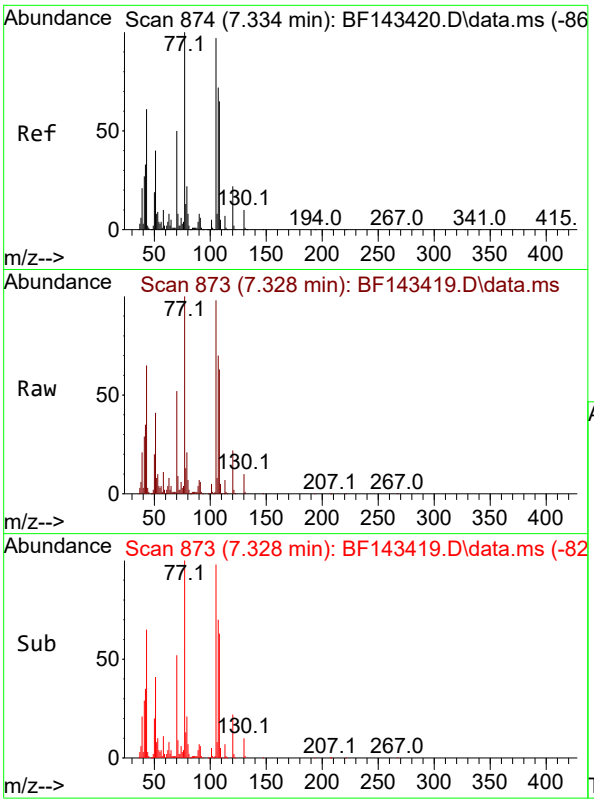


#18
Hexachloroethane
Concen: 21.238 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:117 Resp: 67502

Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.6	114.8
201	99.8	81.0	121.4

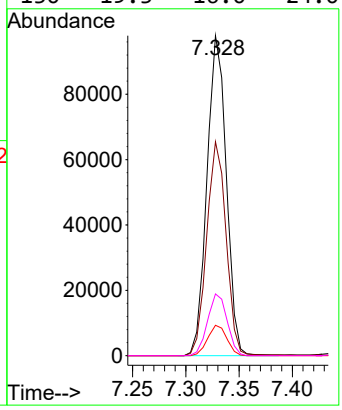




#19
n-Nitroso-di-n-propylamine
Concen: 20.987 ng
RT: 7.328 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 70 Resp: 12382

Ion	Ratio	Lower	Upper
70	100		
42	66.9	52.5	78.7
101	9.5	7.9	11.9
130	19.3	16.0	24.0



Instrument :
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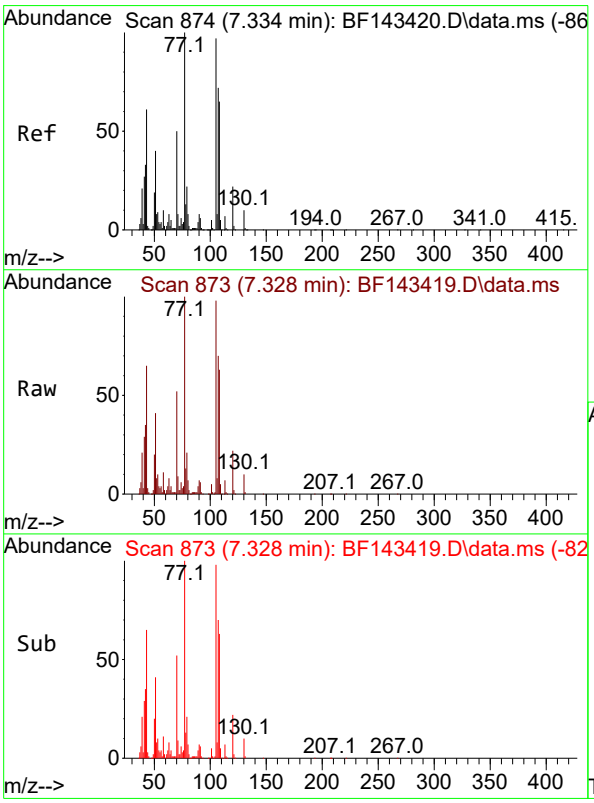
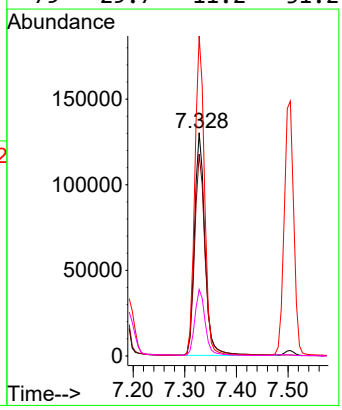
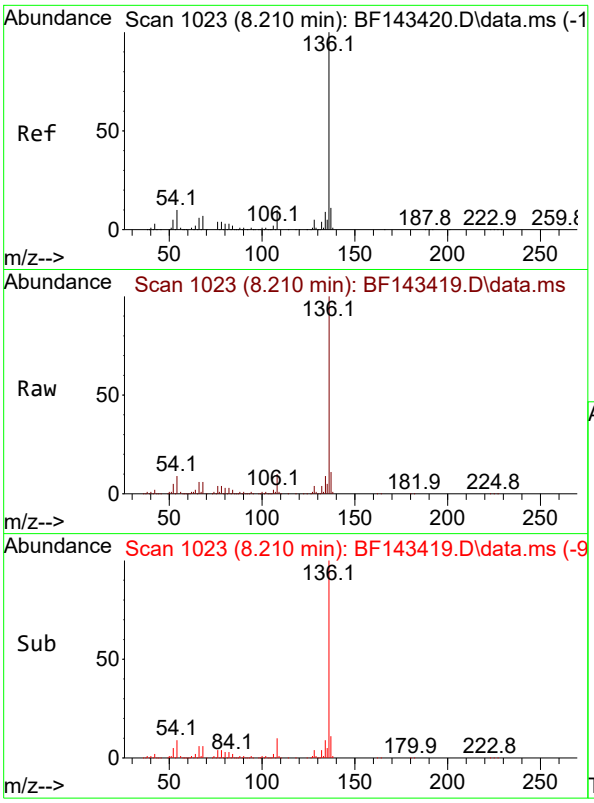


#20
3+4-Methylphenols
Concen: 22.454 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:107 Resp: 182897

Ion	Ratio	Lower	Upper
107	100		
108	90.4	70.8	110.8
77	143.3	119.1	159.1
79	29.7	11.2	51.2

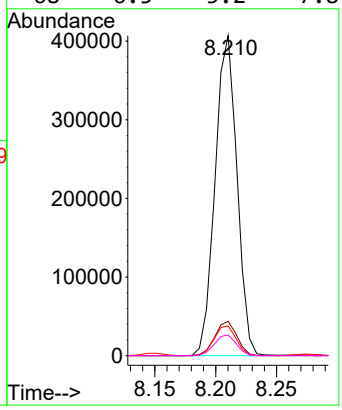




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:136 Resp: 50895

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	9.3	7.8	11.8
68	6.5	5.2	7.8



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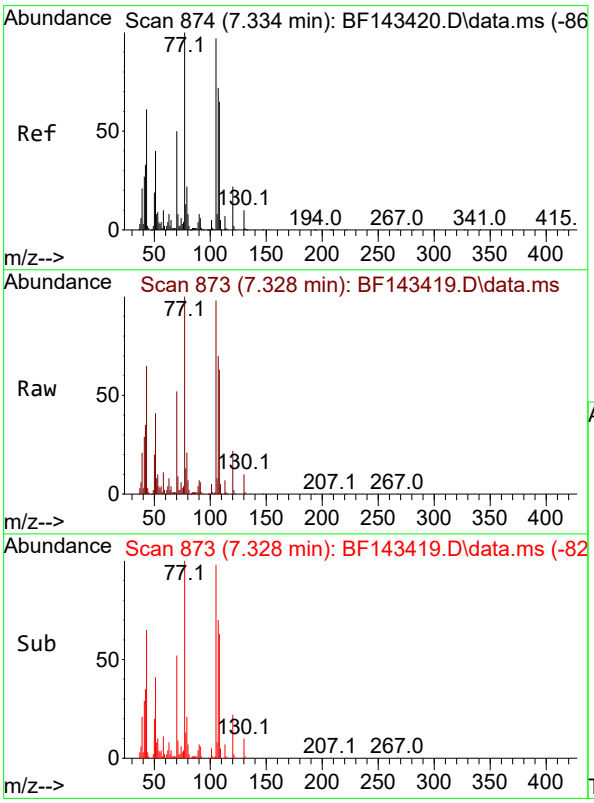
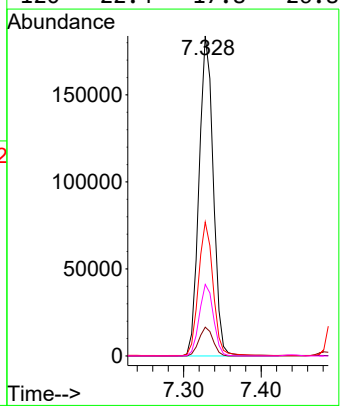
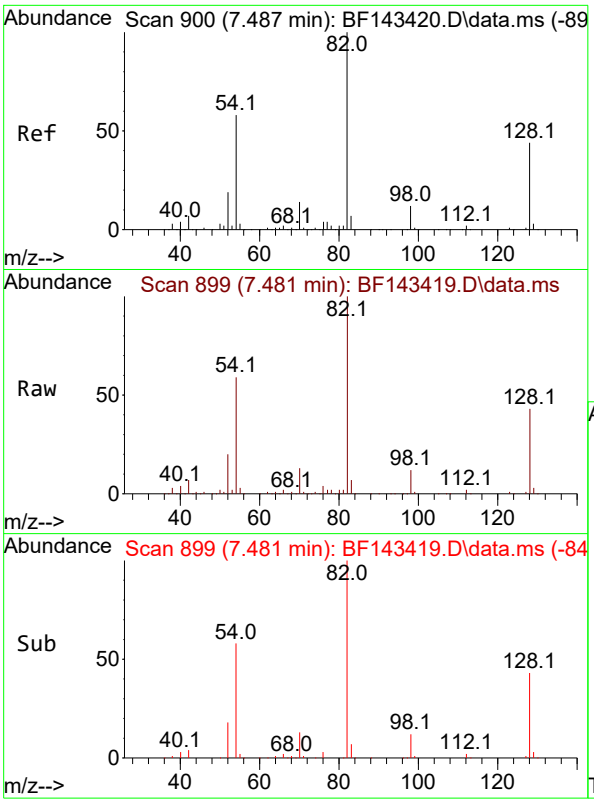


#22
Acetophenone
Concen: 21.468 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:105 Resp: 234922

Ion	Ratio	Lower	Upper
105	100		
71	9.0	7.0	10.4
51	41.9	32.7	49.1
120	22.4	17.8	26.8

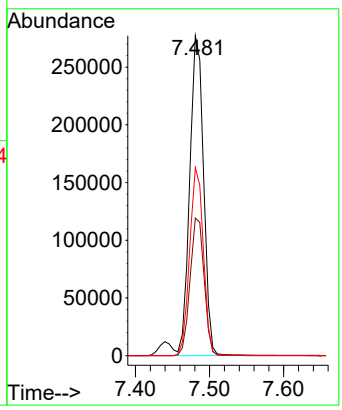




#23
Nitrobenzene-d5
Concen: 41.772 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 82 Resp: 35827

Ion	Ratio	Lower	Upper
82	100		
128	43.0	34.6	52.0
54	58.7	46.0	69.0



Instrument :
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ClientSampleId :
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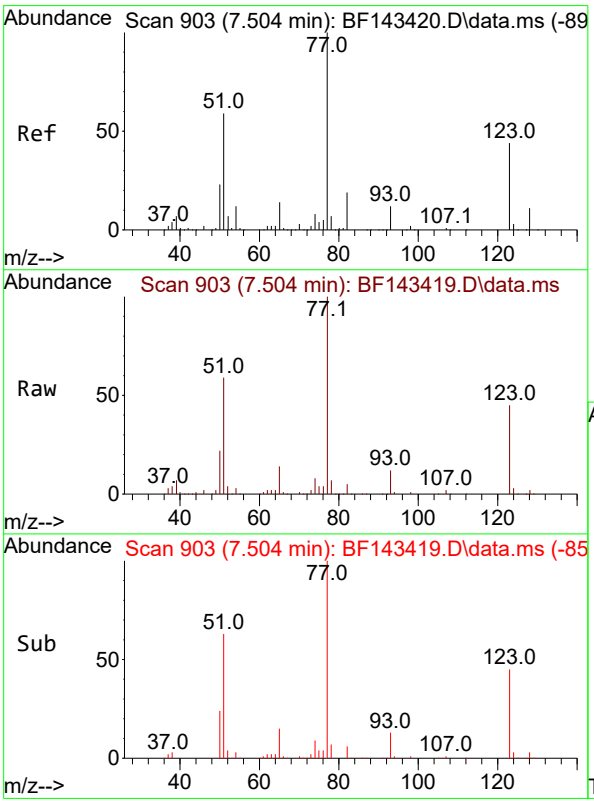
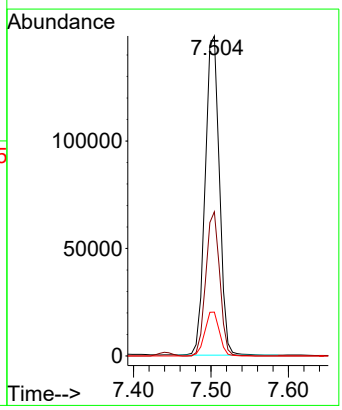
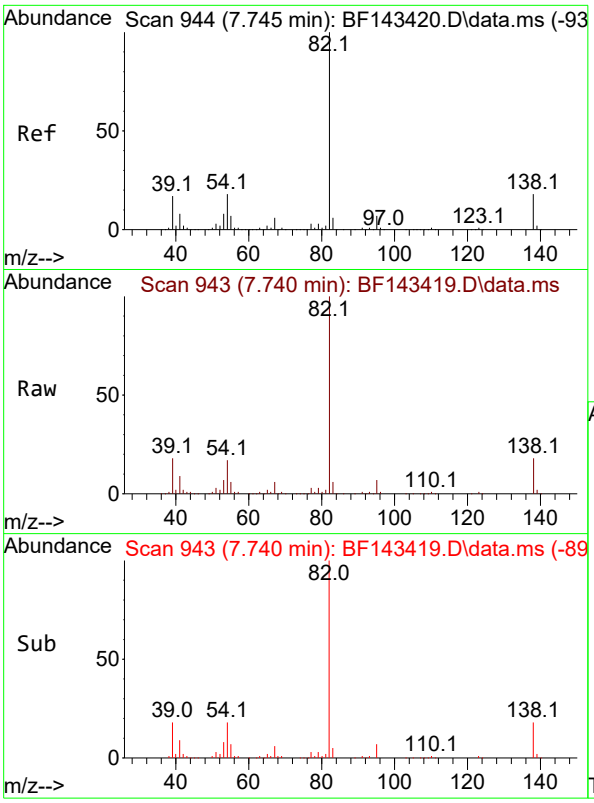


#24
Nitrobenzene
Concen: 21.143 ng
RT: 7.504 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 77 Resp: 189535

Ion	Ratio	Lower	Upper
77	100		
123	45.1	35.4	53.0
65	13.7	11.2	16.8

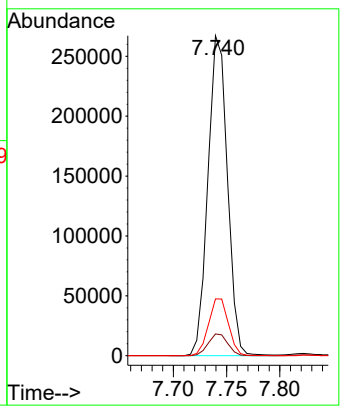




#25
Isophorone
Concen: 20.794 ng
RT: 7.740 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 82 Resp: 34135

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.6	8.4
138	17.8	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
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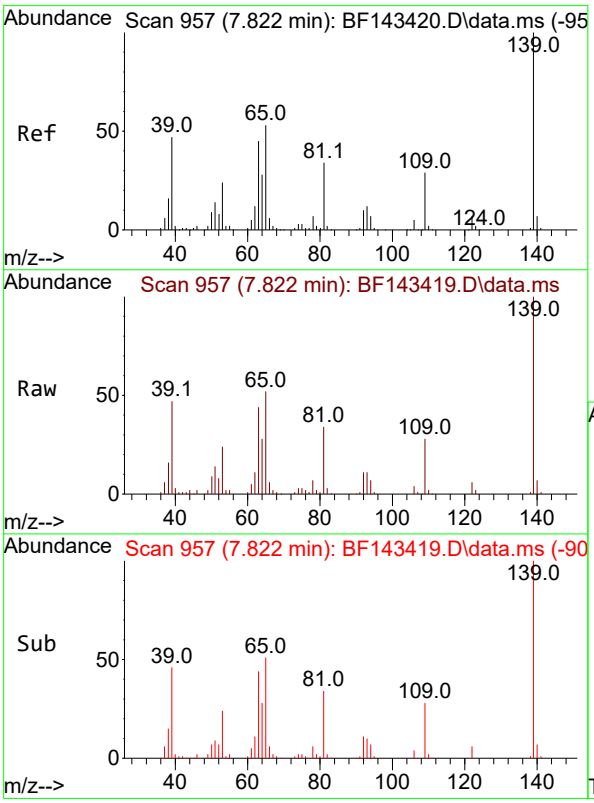
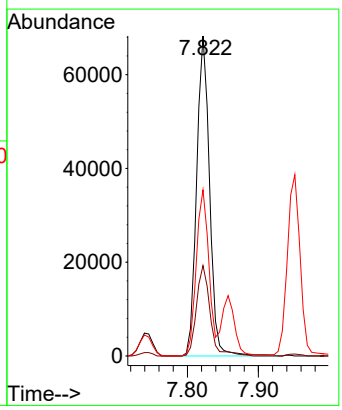
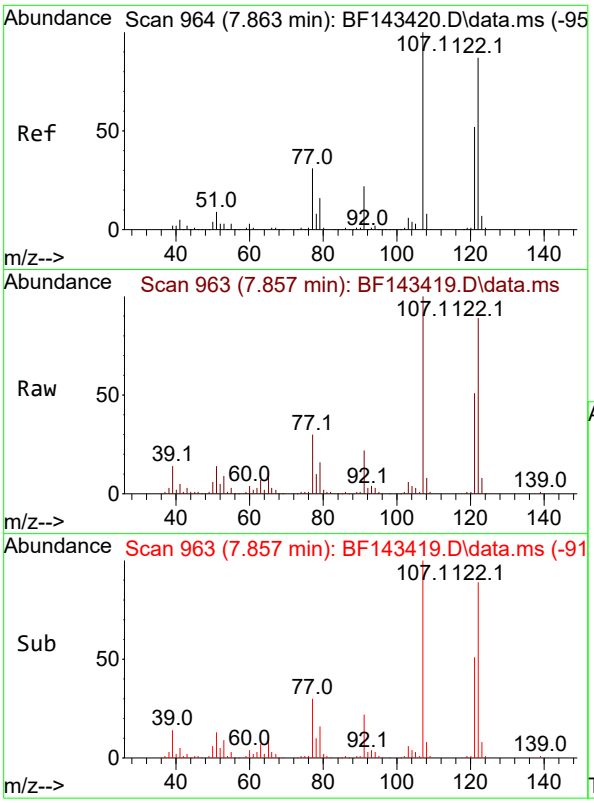


#26
2-Nitrophenol
Concen: 20.862 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:139 Resp: 86694

Ion	Ratio	Lower	Upper
139	100		
109	28.2	23.0	34.4
65	51.9	42.5	63.7

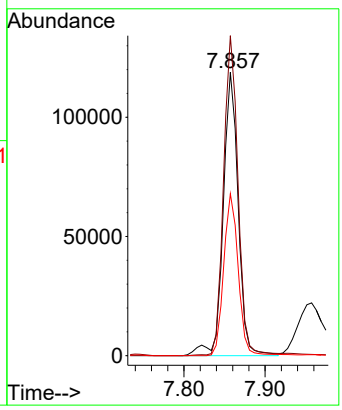




#27
2,4-Dimethylphenol
Concen: 21.796 ng
RT: 7.857 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:122 Resp: 15314

Ion	Ratio	Lower	Upper
122	100		
107	112.9	90.4	135.6
121	57.2	46.7	70.1



Instrument :
BNA_F
ClientSampleId :
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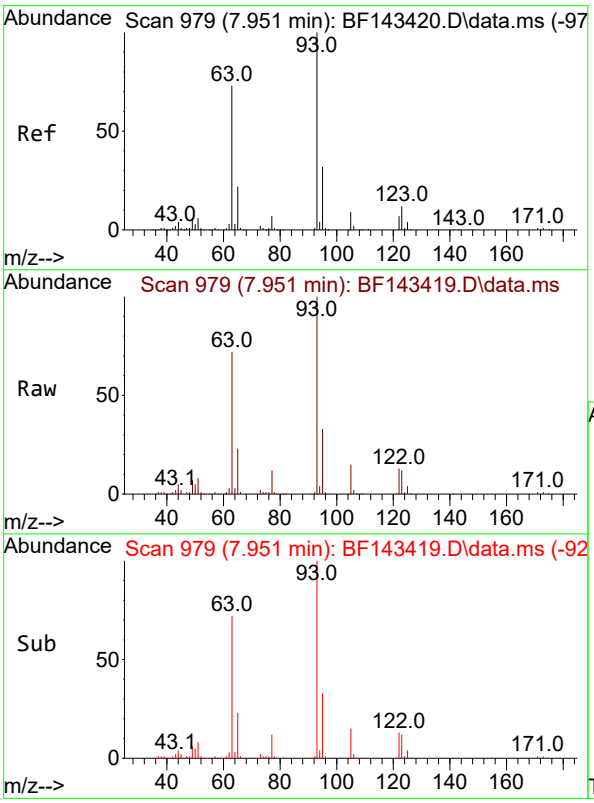
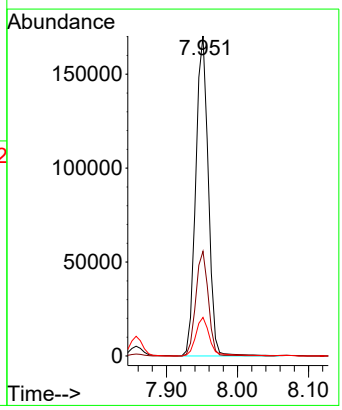
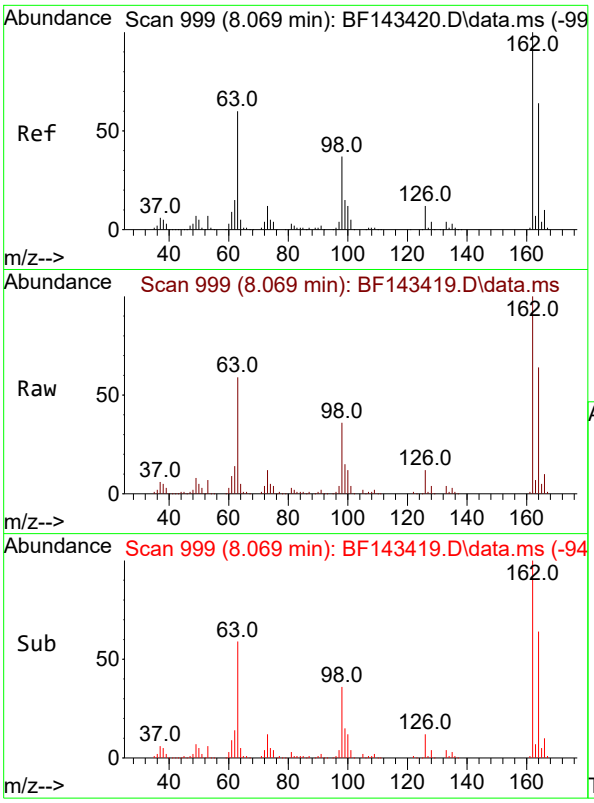


#28
bis(2-Chloroethoxy)methane
Concen: 20.840 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 93 Resp: 210282

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.0	39.0
123	12.1	9.5	14.3

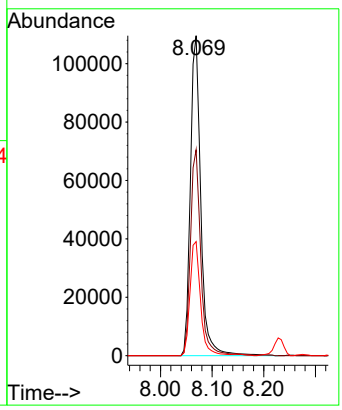




#29
2,4-Dichlorophenol
Concen: 21.374 ng
RT: 8.069 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:162 Resp: 15309

Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.3	84.3
98	35.7	16.9	56.9



Instrument :
BNA_F
ClientSampleId :
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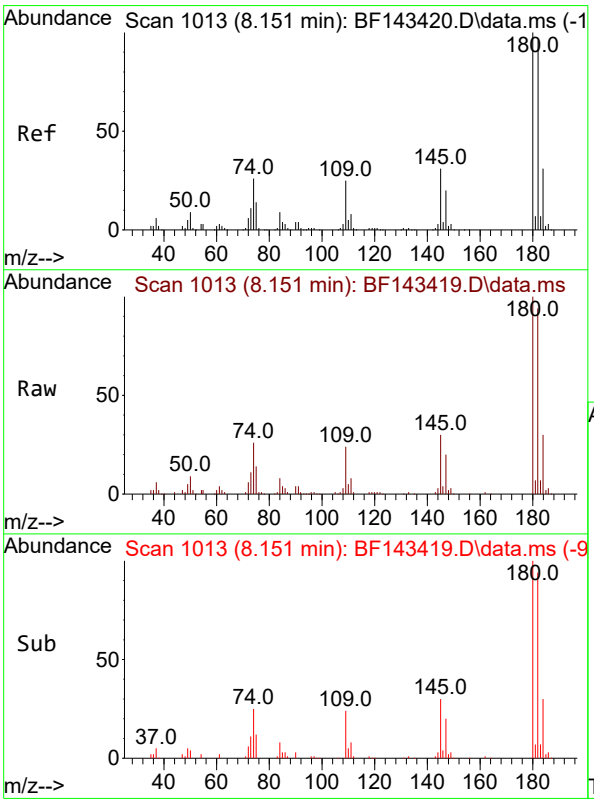
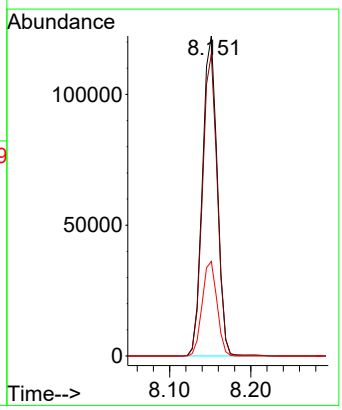
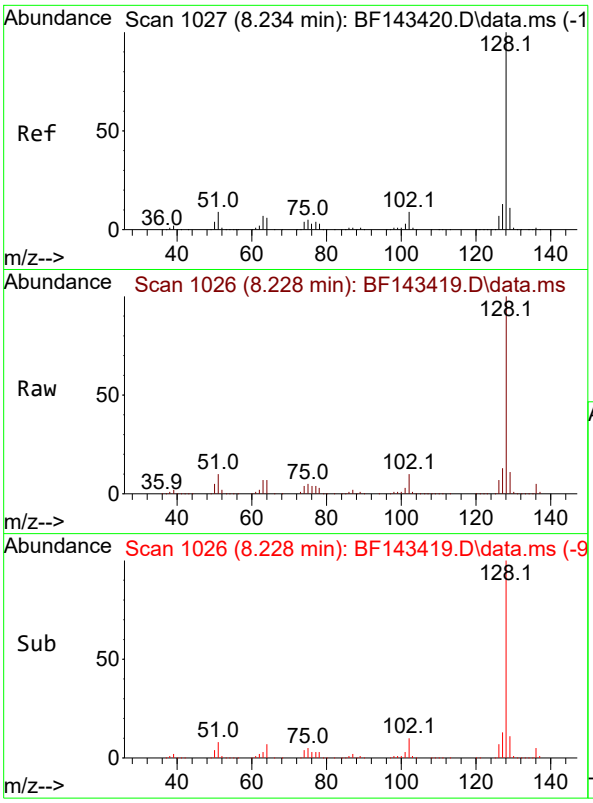


#30
1,2,4-Trichlorobenzene
Concen: 21.058 ng
RT: 8.151 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:180 Resp: 154544

Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.7	115.1
145	29.5	24.5	36.7

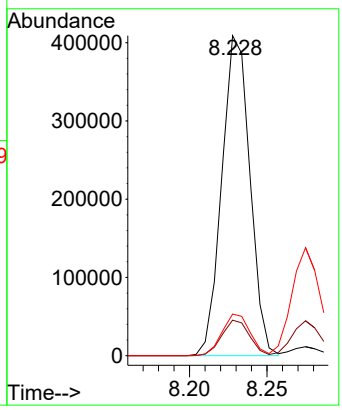




#31
Naphthalene
Concen: 21.346 ng
RT: 8.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:128 Resp: 51577

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.0	10.6	16.0



Instrument :
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ClientSampleId :
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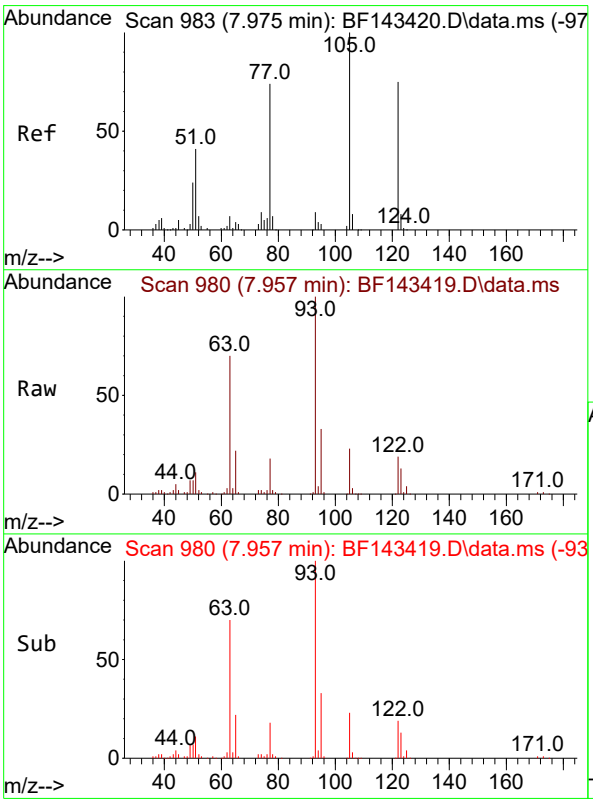
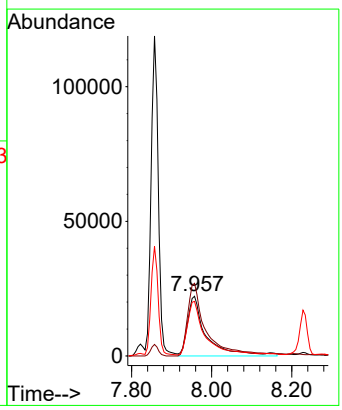
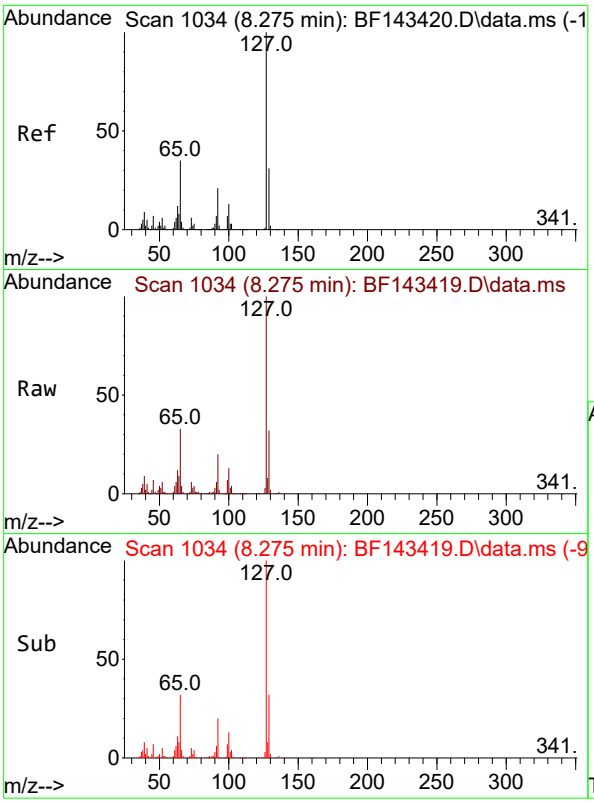


#32
Benzoic acid
Concen: 19.776 ng m
RT: 7.957 min Scan# 980
Delta R.T. -0.018 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:122 Resp: 71922

Ion	Ratio	Lower	Upper
122	100		
105	121.7	108.4	148.4
77	91.3	75.9	115.9

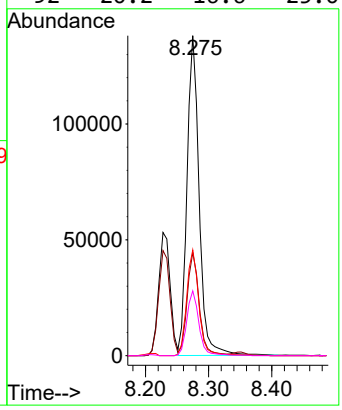




#33
4-Chloroaniline
Concen: 21.143 ng
RT: 8.275 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:127 Resp: 18440

Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.8	38.8
65	33.1	27.2	40.8
92	20.2	16.6	25.0



Instrument :
BNA_F
ClientSampleId :
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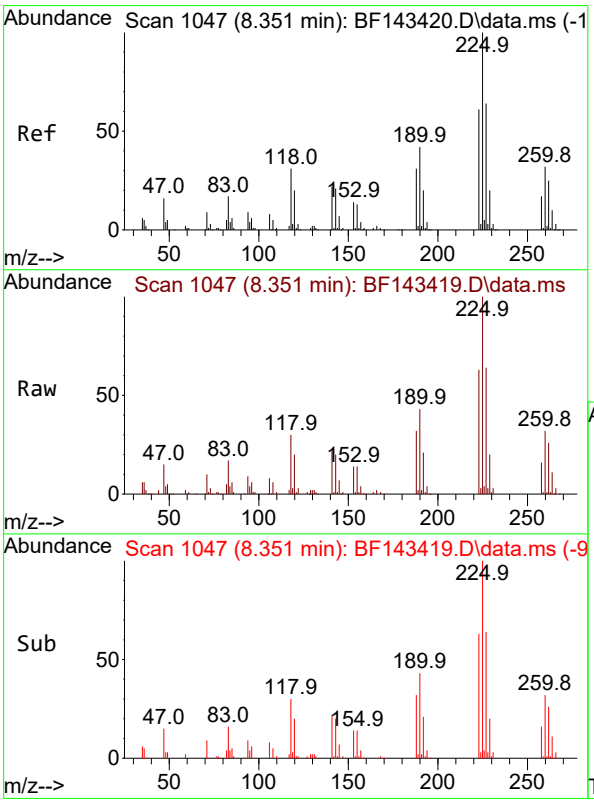
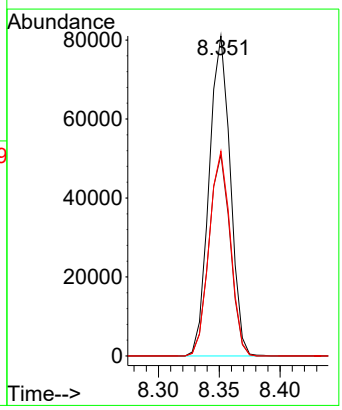
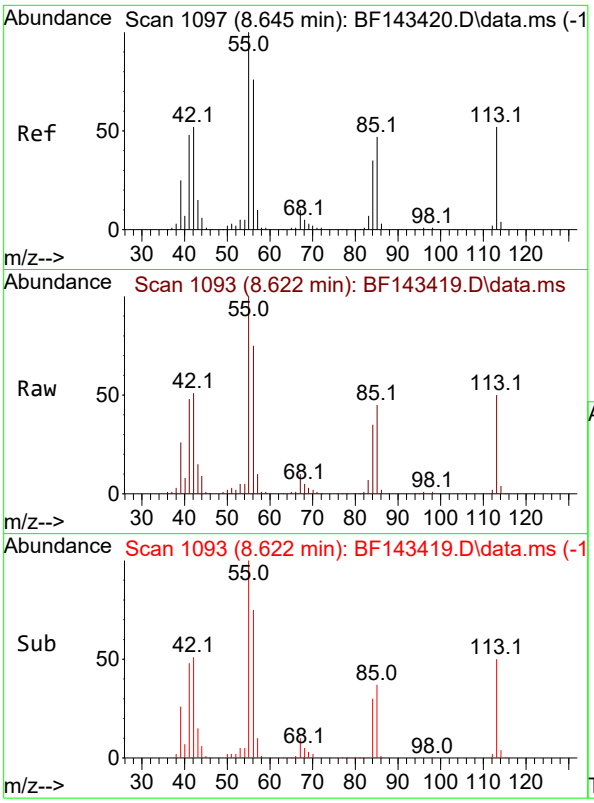


#34
Hexachlorobutadiene
Concen: 20.903 ng
RT: 8.351 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:225 Resp: 97824

Ion	Ratio	Lower	Upper
225	100		
223	62.8	49.0	73.6
227	64.0	51.1	76.7

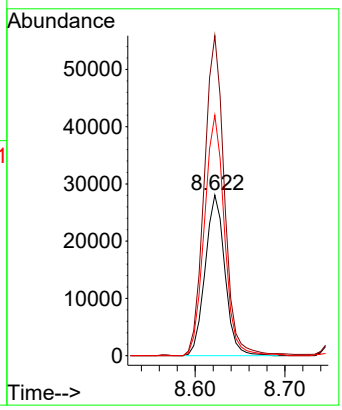




#35
Caprolactam
Concen: 20.770 ng
RT: 8.622 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:113 Resp: 4283

Ion	Ratio	Lower	Upper
113	100		
55	199.3	174.7	214.7
56	149.7	127.0	167.0



Instrument :
BNA_F
ClientSampleId :
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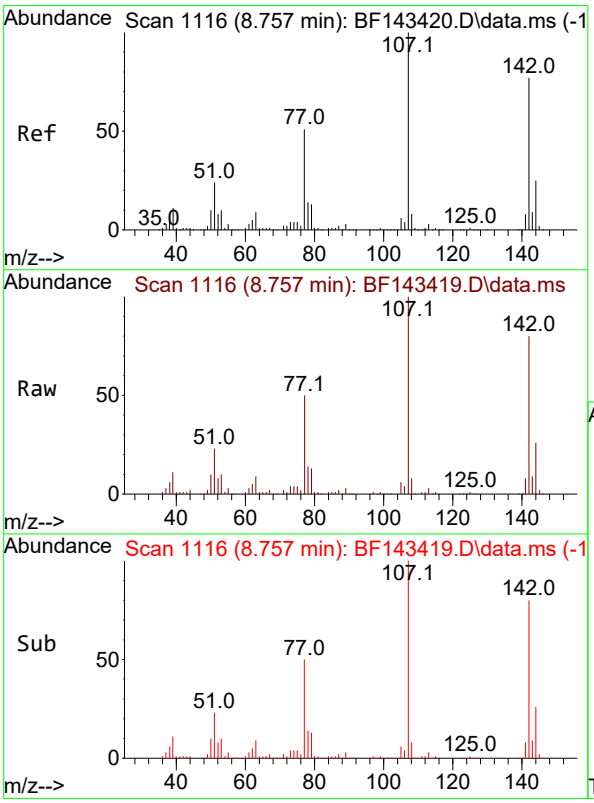
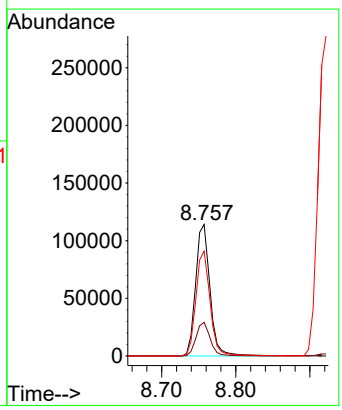
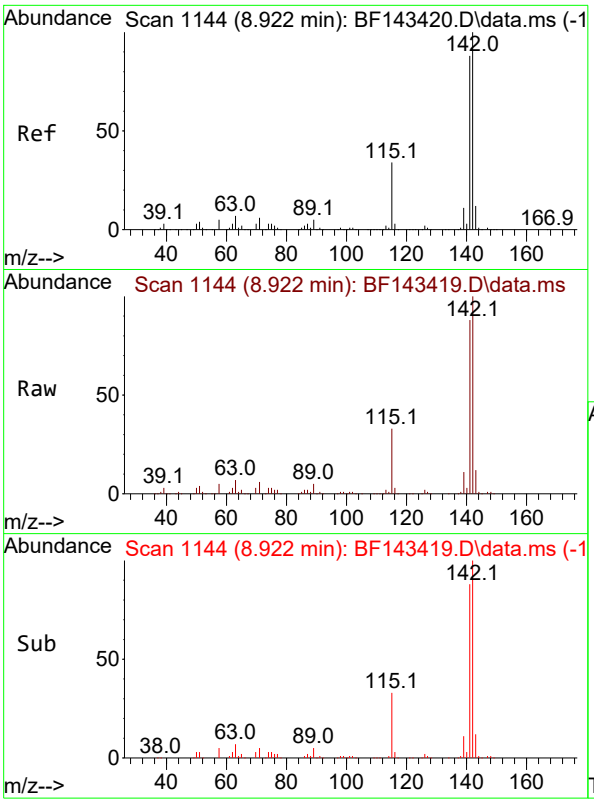


#36
4-Chloro-3-methylphenol
Concen: 20.795 ng
RT: 8.757 min Scan# 1116
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:107 Resp: 153403

Ion	Ratio	Lower	Upper
107	100		
144	25.5	20.2	30.2
142	79.7	62.0	93.0

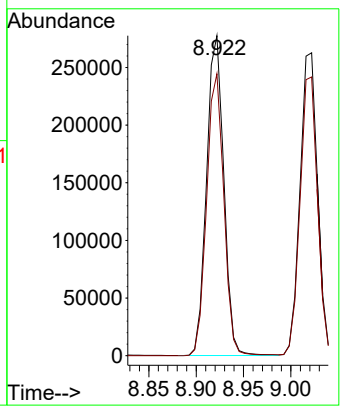




#37
2-Methylnaphthalene
Concen: 21.475 ng
RT: 8.922 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:142 Resp: 34976

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.3	105.5



Instrument :
BNA_F
ClientSampleId :
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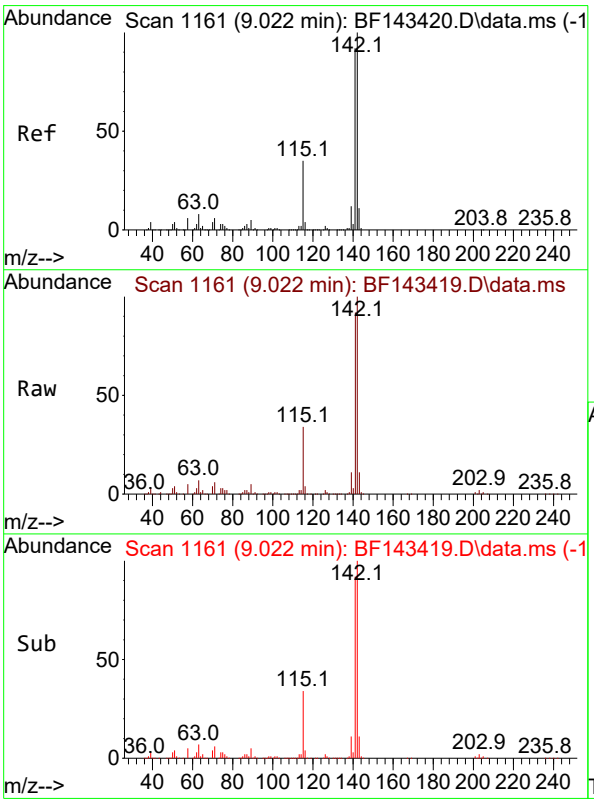
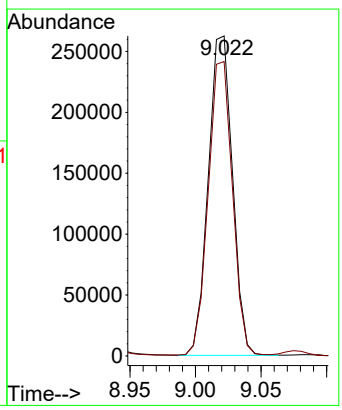
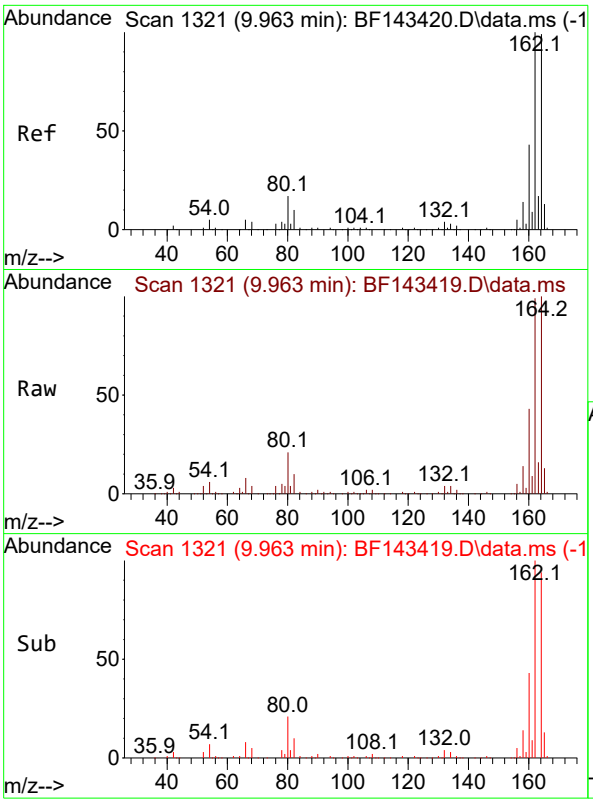


#38
1-Methylnaphthalene
Concen: 21.600 ng
RT: 9.022 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:142 Resp: 337056

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.8	110.6

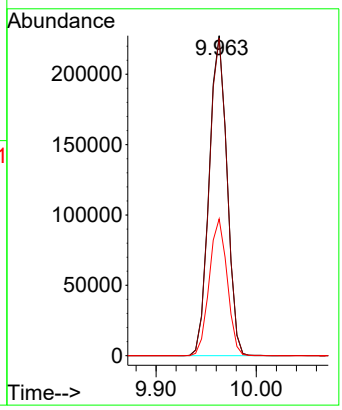




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:164 Resp: 28175

Ion	Ratio	Lower	Upper
164	100		
162	99.2	80.6	121.0
160	42.8	34.6	51.8



Instrument :
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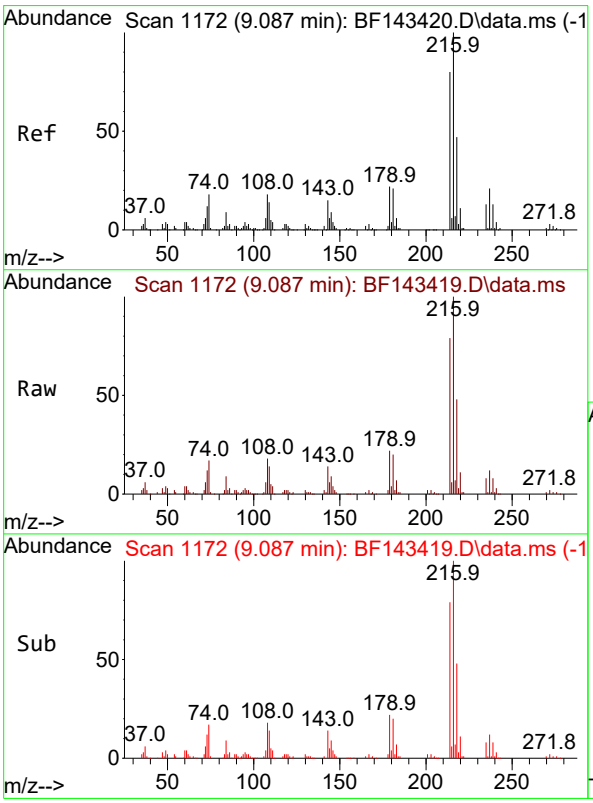
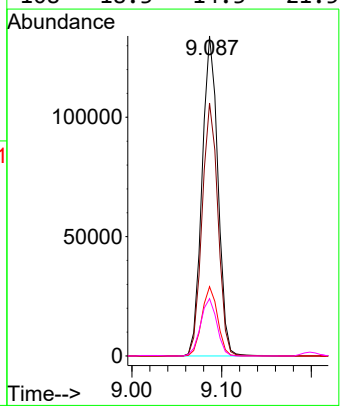
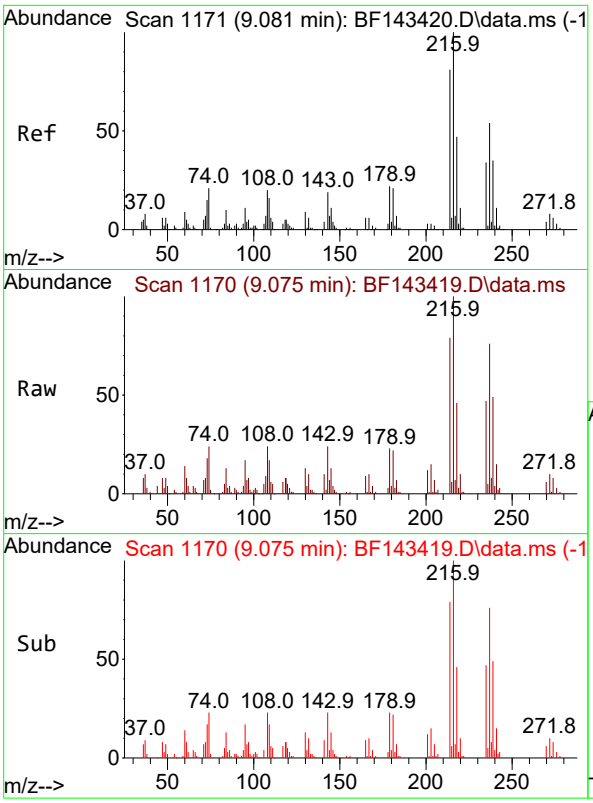


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.965 ng
RT: 9.087 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:216 Resp: 164739

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.7	95.5
179	21.4	17.0	25.4
108	18.3	14.3	21.5





#41
Hexachlorocyclopentadiene
Concen: 19.242 ng
RT: 9.075 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:237 Resp: 3949

Ion	Ratio	Lower	Upper
237	100		
235	61.4	41.6	81.6
272	12.6	0.0	33.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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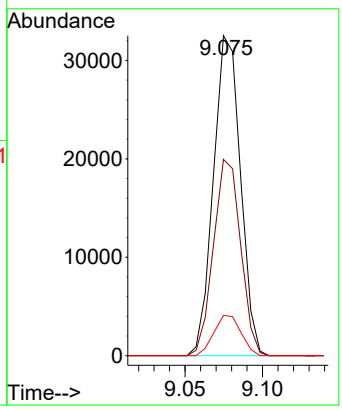
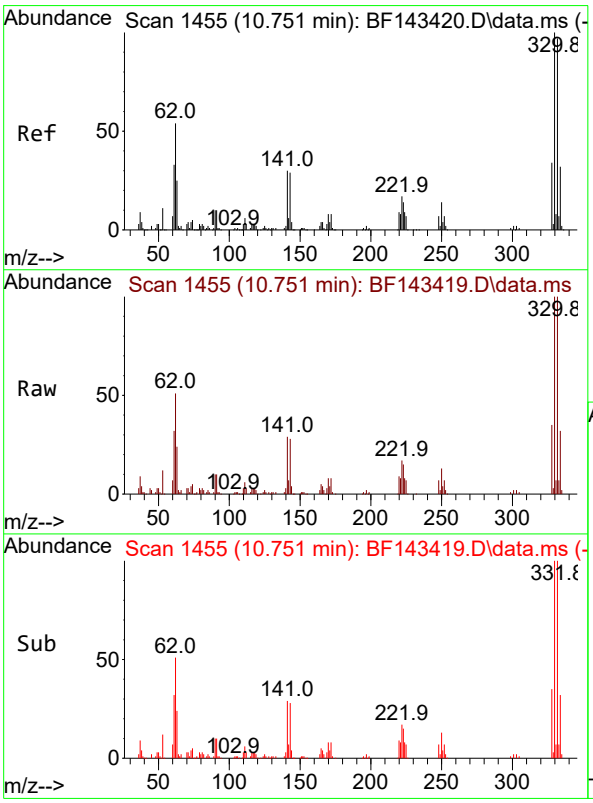
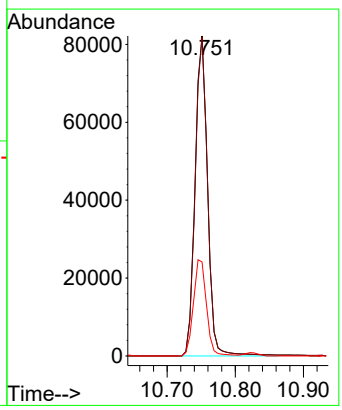


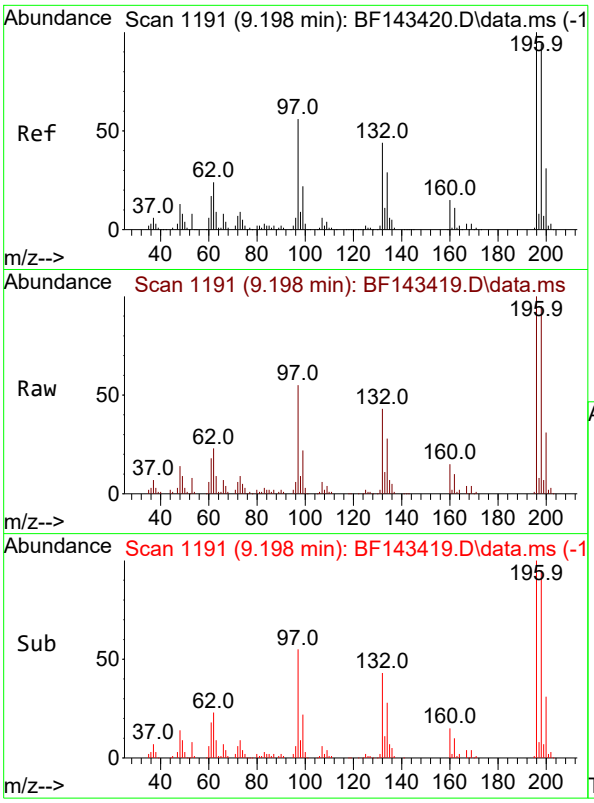


#42
2,4,6-Tribromophenol
Concen: 41.705 ng
RT: 10.751 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:330 Resp: 104587

Ion	Ratio	Lower	Upper
330	100		
332	99.1	77.4	116.2
141	31.3	24.1	36.1

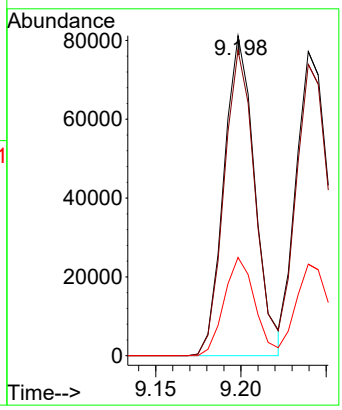




#43
2,4,6-Trichlorophenol
Concen: 20.860 ng
RT: 9.198 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:196 Resp: 10225

Ion	Ratio	Lower	Upper
196	100		
198	95.4	75.4	113.2
200	30.7	24.7	37.1



Instrument :
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ClientSampleId :
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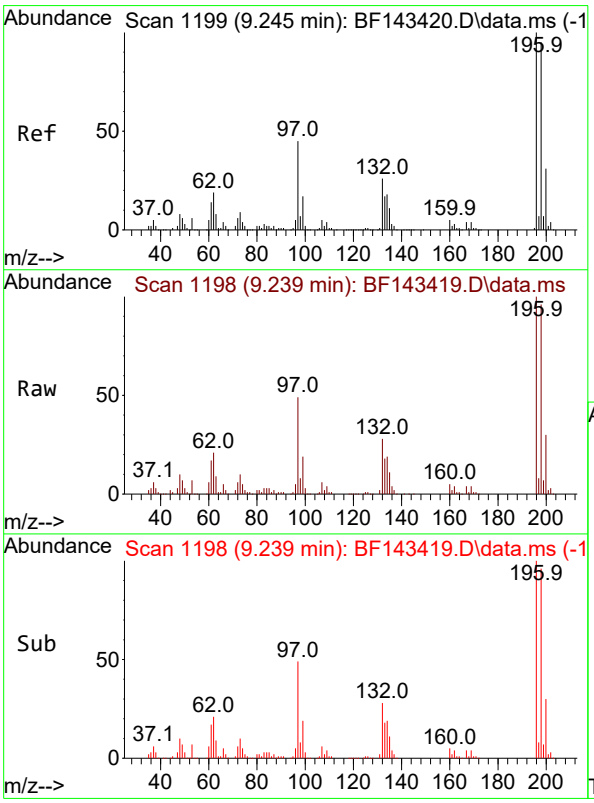
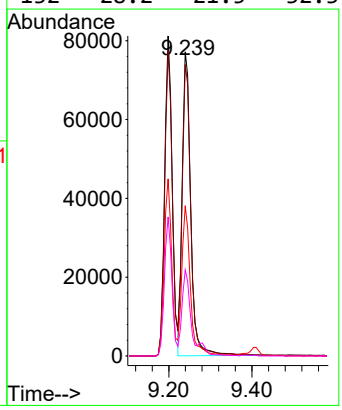
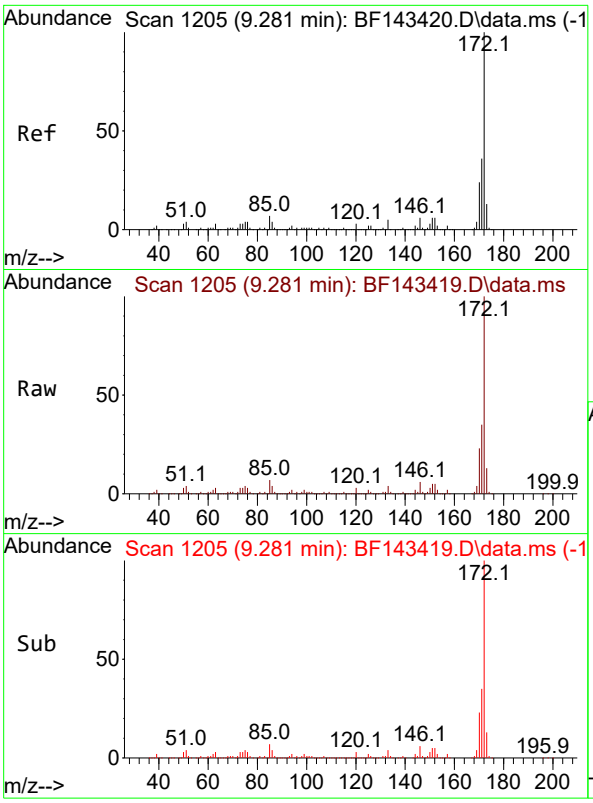


#44
2,4,5-Trichlorophenol
Concen: 21.177 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:196 Resp: 111266

Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.2	114.4
97	49.4	36.6	55.0
132	28.2	21.5	32.3

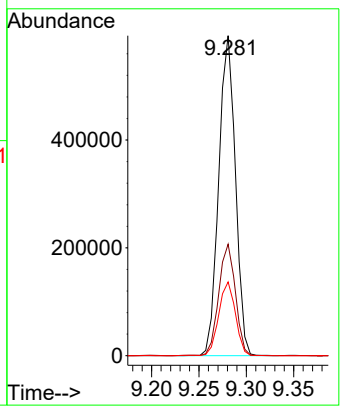




#45
2-Fluorobiphenyl
Concen: 43.433 ng
RT: 9.281 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:172 Resp: 72754

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.7	43.1
170	23.1	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
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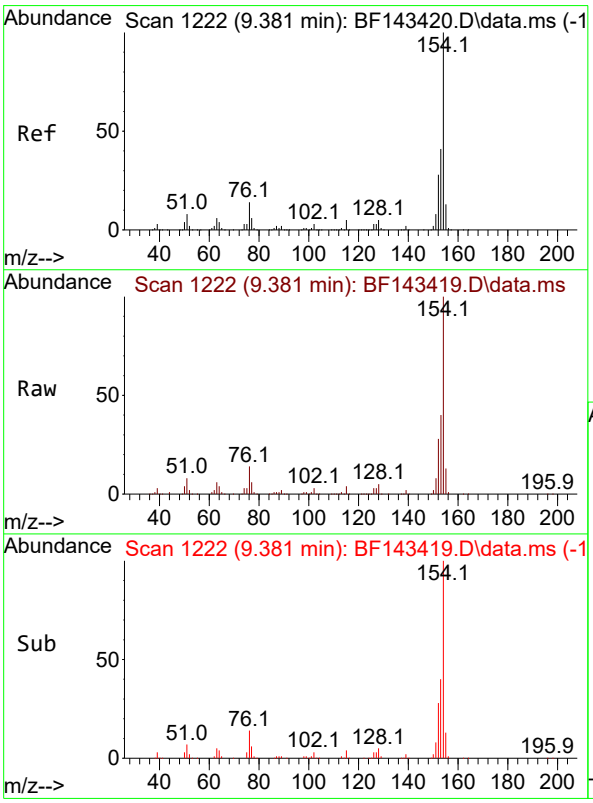
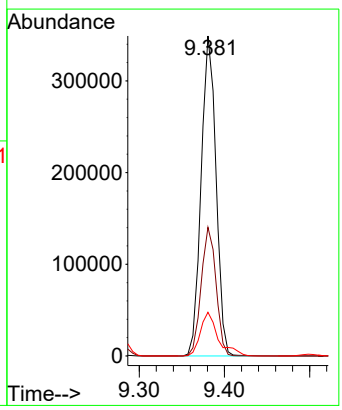
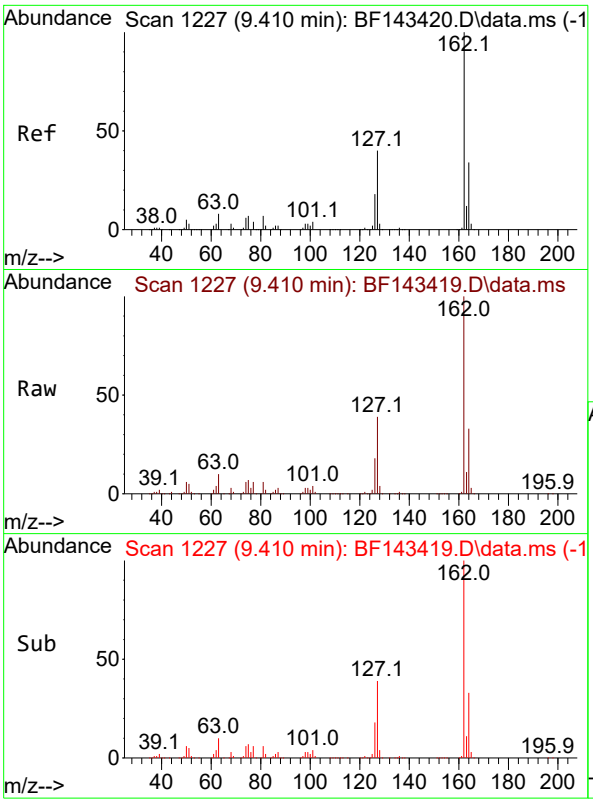


#46
1,1'-Biphenyl
Concen: 21.382 ng
RT: 9.381 min Scan# 1222
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:154 Resp: 423276

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.6	60.6
76	13.7	0.0	33.8

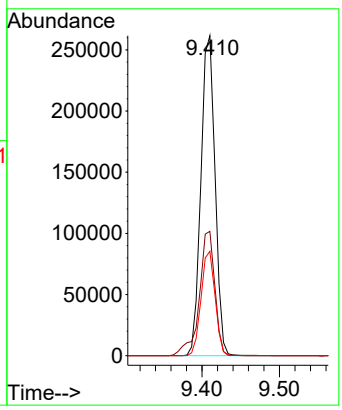




#47
2-Chloronaphthalene
Concen: 21.249 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:162 Resp: 33205

Ion	Ratio	Lower	Upper
162	100		
127	38.9	32.3	48.5
164	32.6	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
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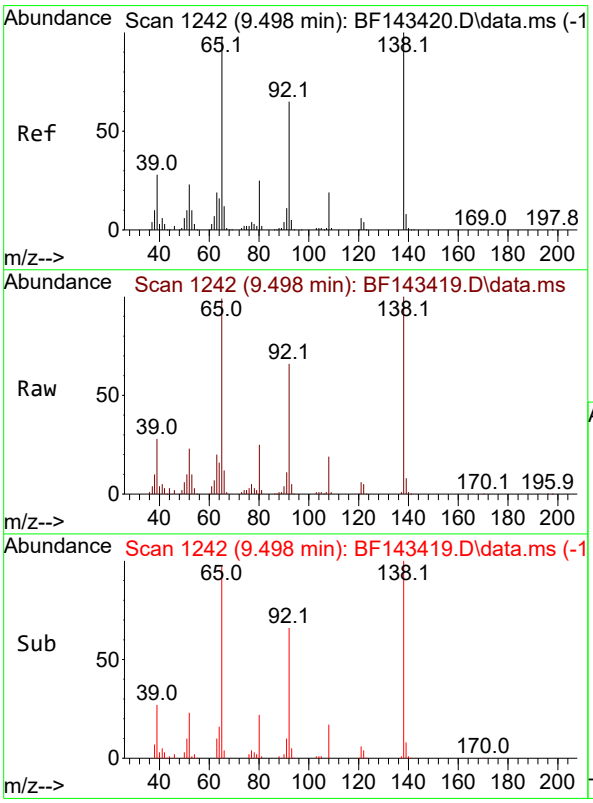
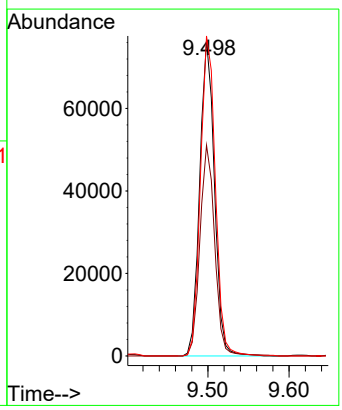
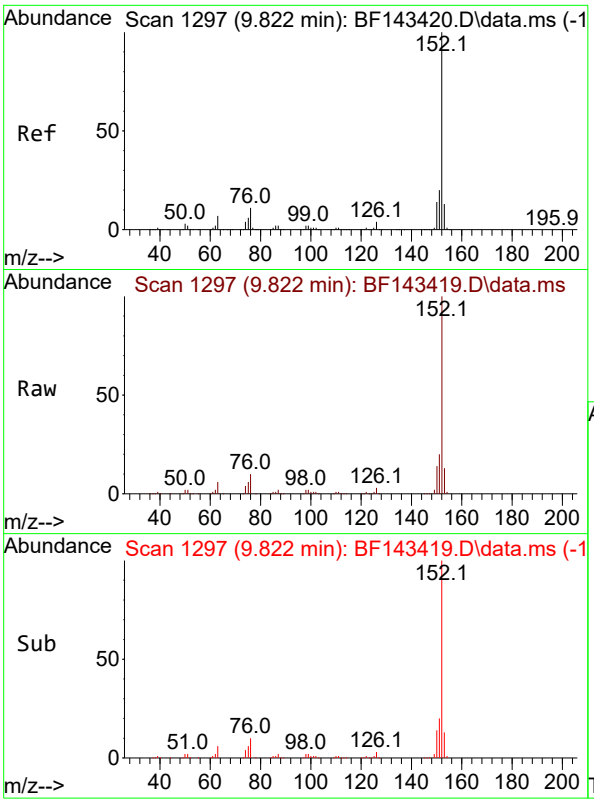


#48
2-Nitroaniline
Concen: 20.759 ng
RT: 9.498 min Scan# 1242
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 65 Resp: 96534

Ion	Ratio	Lower	Upper
65	100		
92	66.8	52.9	79.3
138	101.3	81.3	121.9

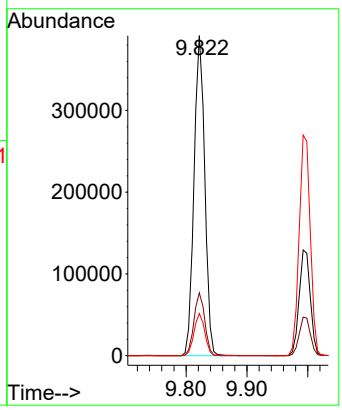




#49
Acenaphthylene
Concen: 21.288 ng
RT: 9.822 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:152 Resp: 48029

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.0	24.0
153	13.2	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
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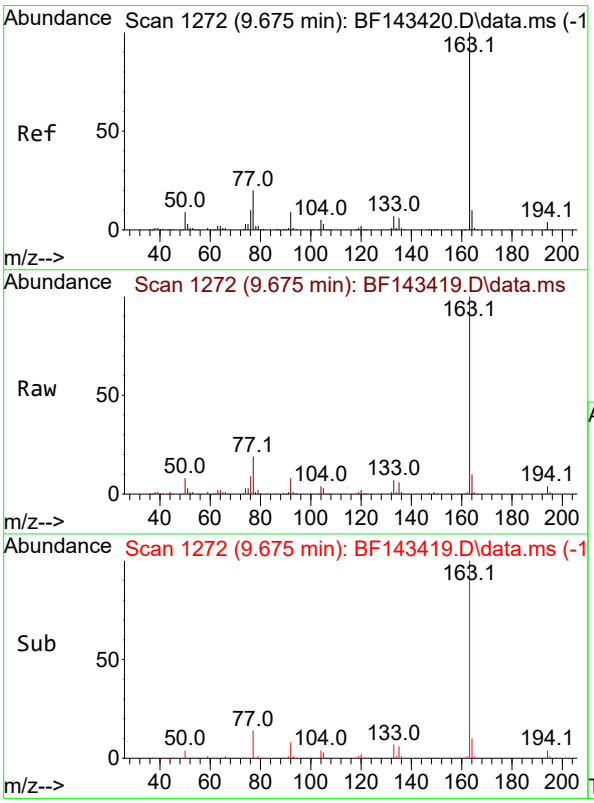
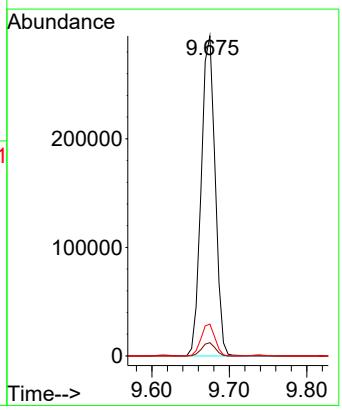
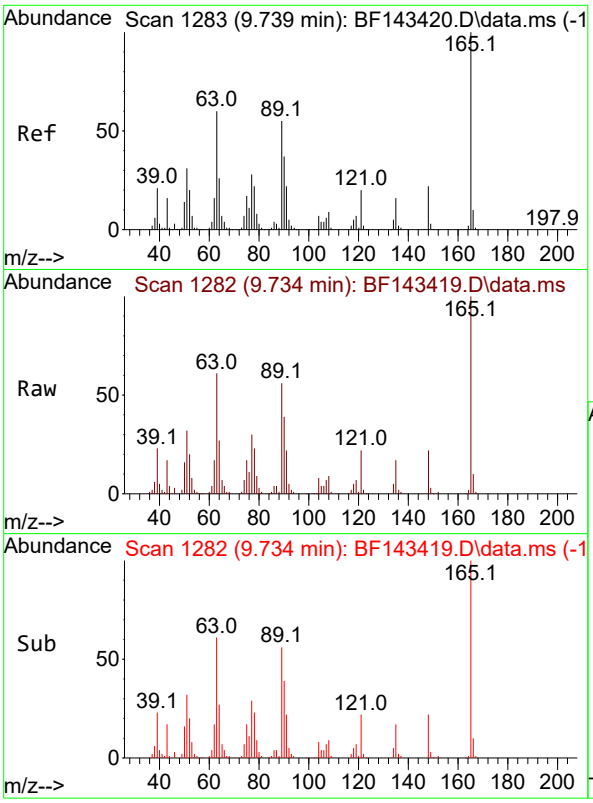


#50
Dimethylphthalate
Concen: 20.928 ng
RT: 9.675 min Scan# 1272
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:163 Resp: 367621

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	9.9	8.2	12.4

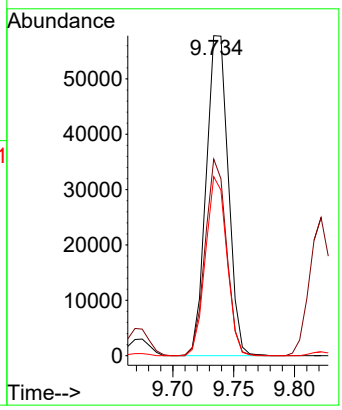




#51
2,6-Dinitrotoluene
Concen: 21.003 ng
RT: 9.734 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:165 Resp: 7273

Ion	Ratio	Lower	Upper
165	100		
63	61.5	48.2	72.2
89	56.0	44.2	66.2



Instrument :
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ClientSampleId :
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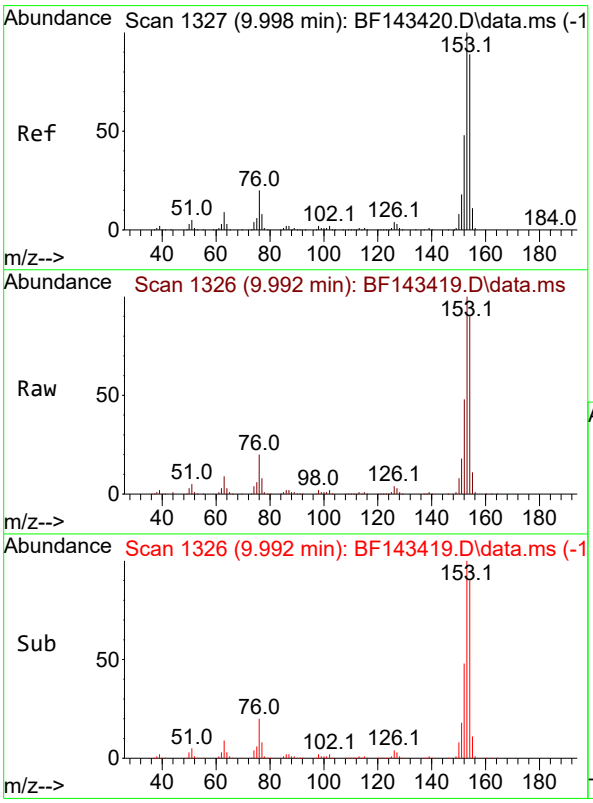
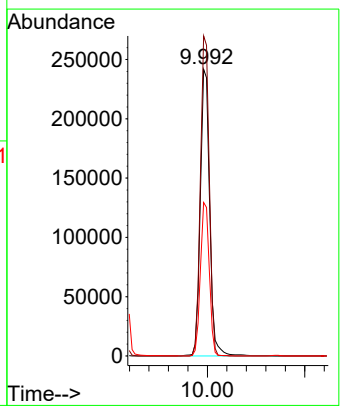
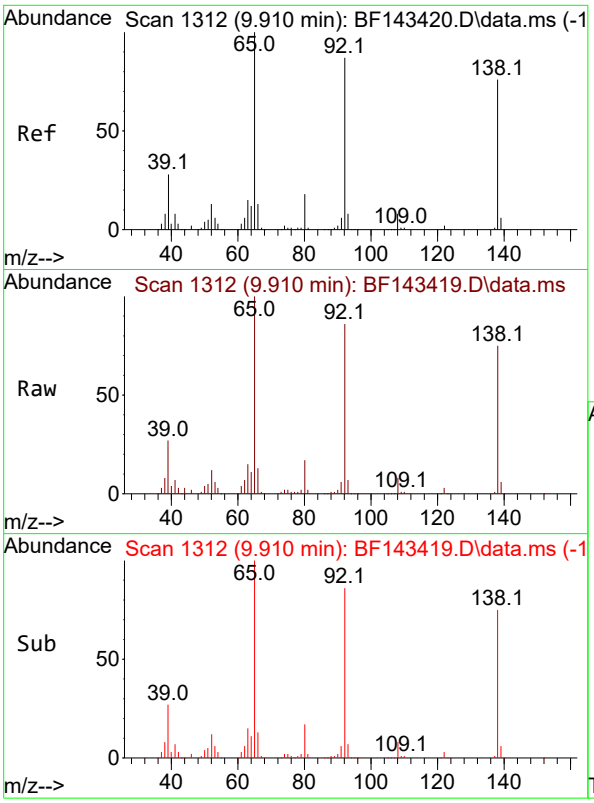


#52
Acenaphthene
Concen: 21.221 ng
RT: 9.992 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:154 Resp: 322026

Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.5	134.3
152	53.6	42.6	64.0





#53
3-Nitroaniline
Concen: 20.702 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:138 Resp: 7985

Ion	Ratio	Lower	Upper
138	100		
108	11.0	8.7	13.1
92	115.2	91.4	137.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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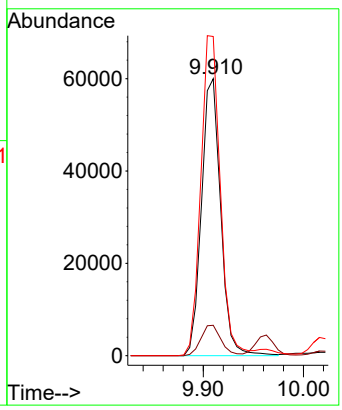
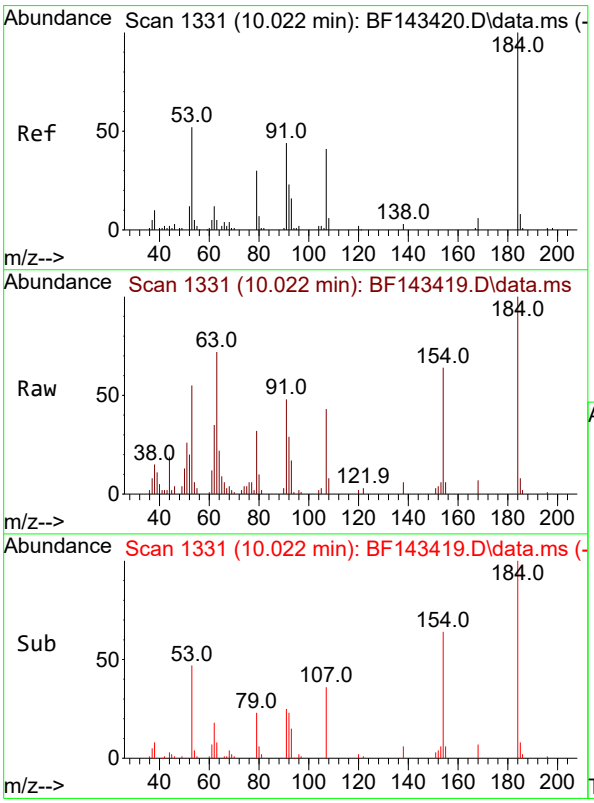
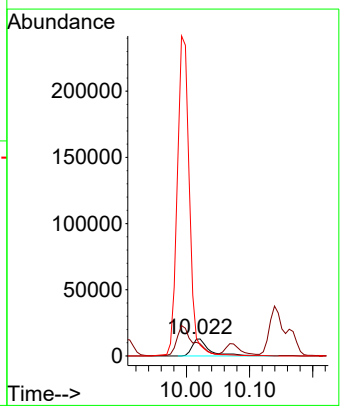


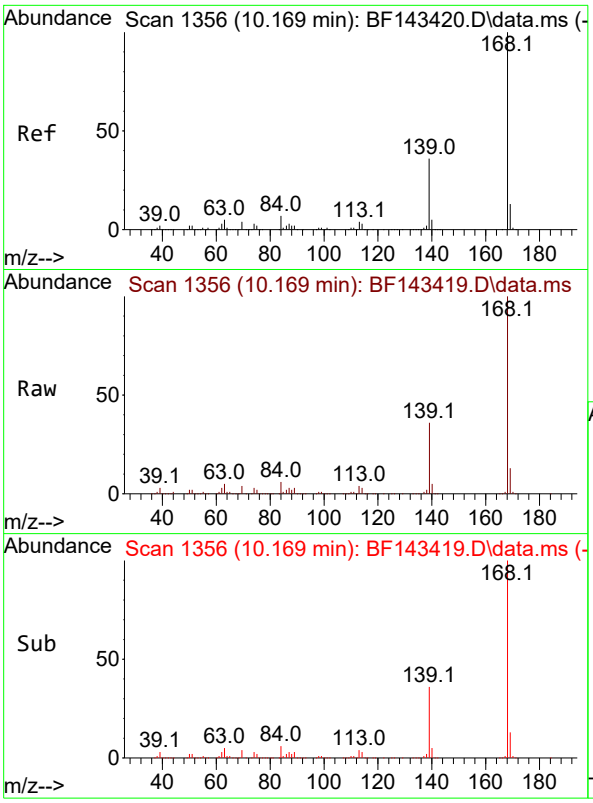


#54
2,4-Dinitrophenol
Concen: 19.975 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:184 Resp: 24644

Ion	Ratio	Lower	Upper
184	100		
63	71.7	53.2	79.8
154	64.1	51.3	76.9

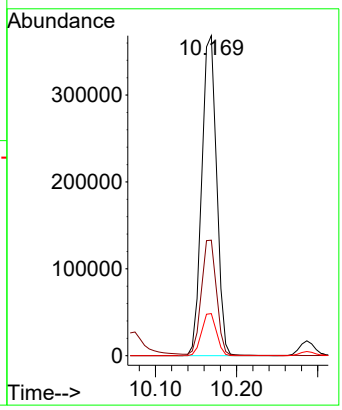




#55
Dibenzofuran
Concen: 21.390 ng
RT: 10.169 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:168 Resp: 46822

Ion	Ratio	Lower	Upper
168	100		
139	36.1	29.3	43.9
169	13.2	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
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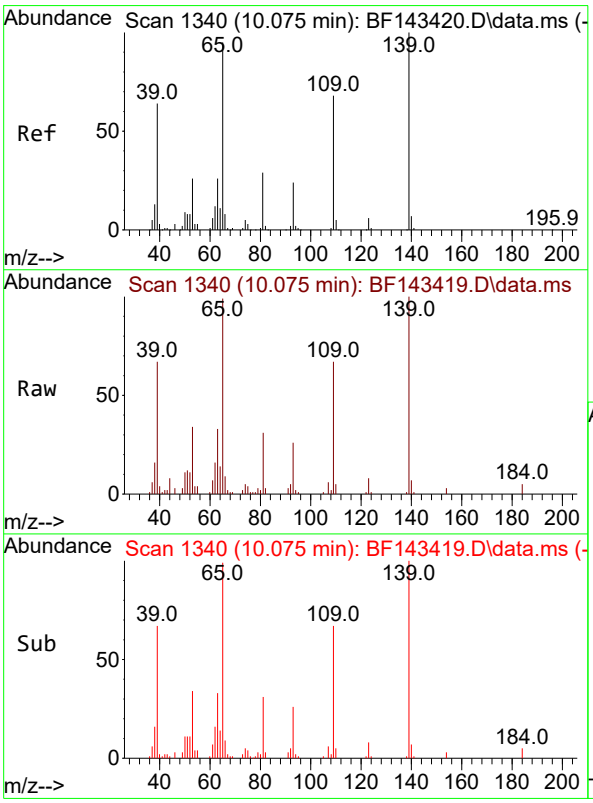
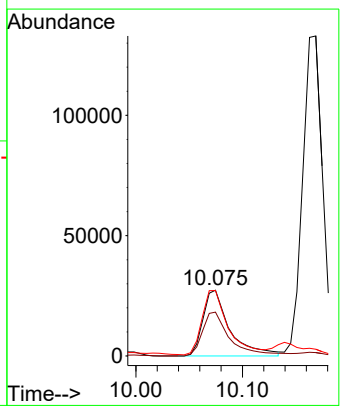
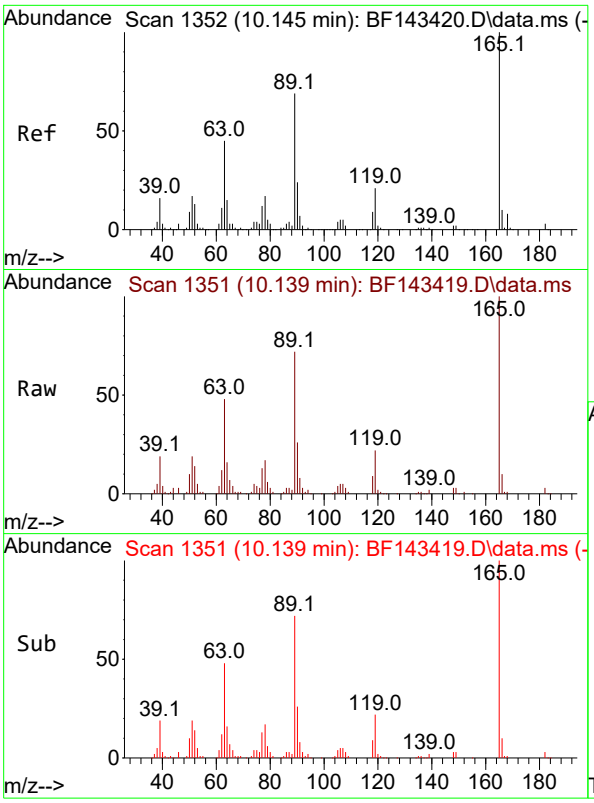


#56
4-Nitrophenol
Concen: 19.778 ng
RT: 10.075 min Scan# 1340
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:139 Resp: 47964

Ion	Ratio	Lower	Upper
139	100		
109	66.6	47.7	87.7
65	99.4	76.4	116.4

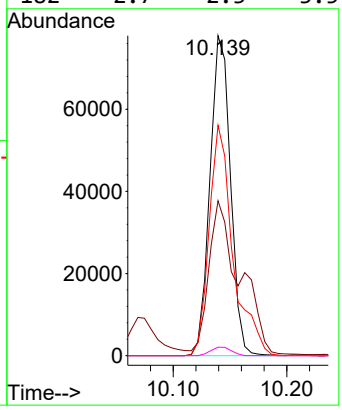




#57
2,4-Dinitrotoluene
Concen: 21.170 ng
RT: 10.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:165 Resp: 9773

Ion	Ratio	Lower	Upper
165	100		
63	48.4	37.0	55.6
89	72.0	55.4	83.0
182	2.7	2.3	3.5



Instrument :
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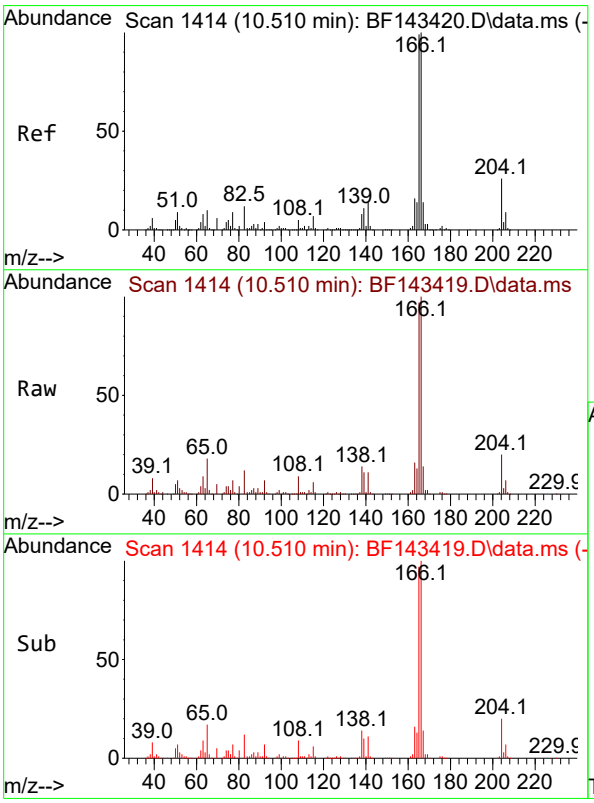
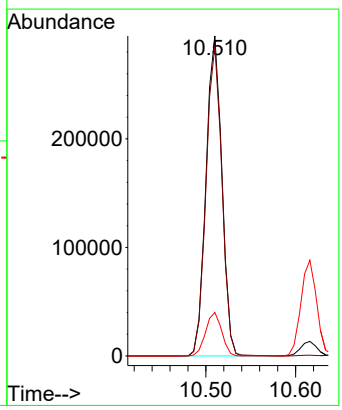
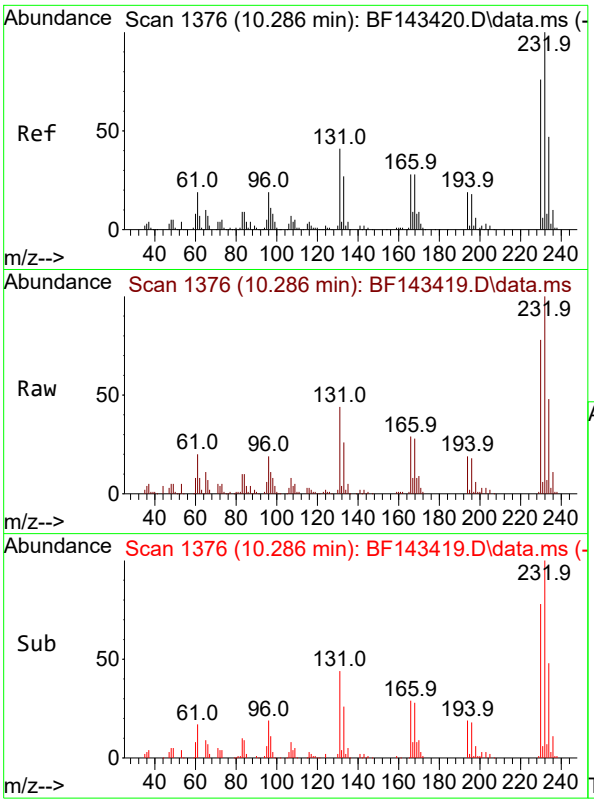


#58
Fluorene
Concen: 21.570 ng
RT: 10.510 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:166 Resp: 362746

Ion	Ratio	Lower	Upper
166	100		
165	96.9	79.0	118.6
167	13.6	10.9	16.3

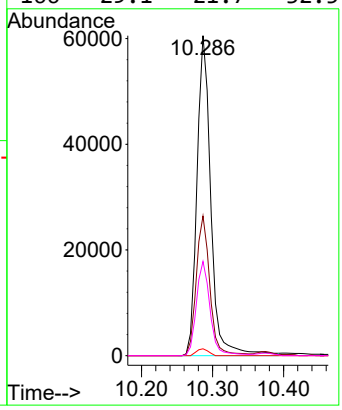




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.756 ng
RT: 10.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:232 Resp: 8255

Ion	Ratio	Lower	Upper
232	100		
131	42.7	32.0	48.0
130	1.9	1.7	2.5
166	29.1	21.7	32.5



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ClientSampleId :
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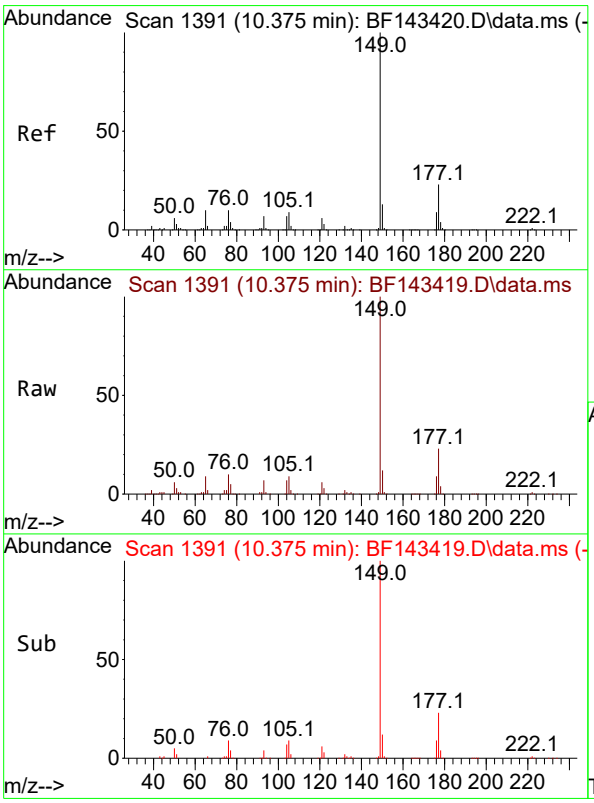
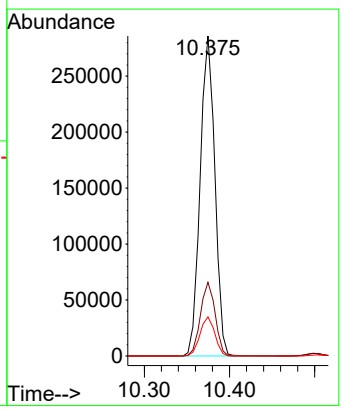
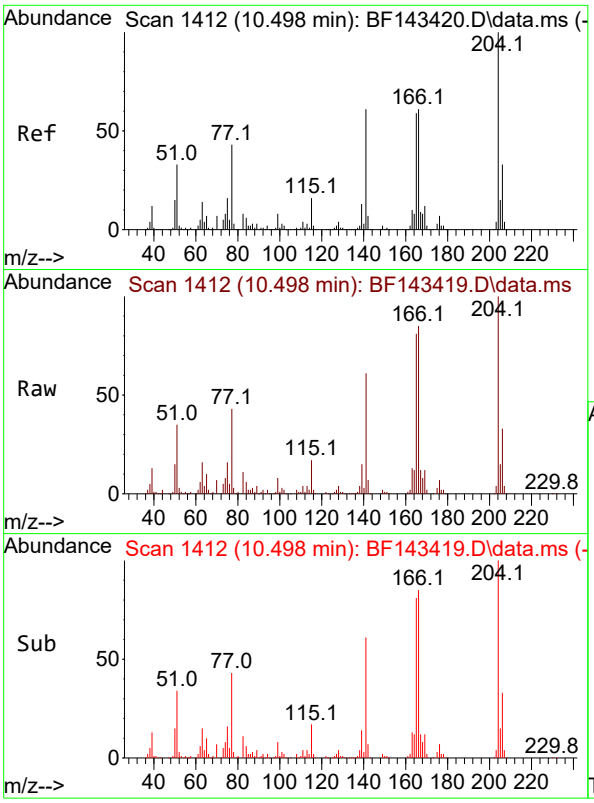


#60
Diethylphthalate
Concen: 21.125 ng
RT: 10.375 min Scan# 1391
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:149 Resp: 342918

Ion	Ratio	Lower	Upper
149	100		
177	23.0	18.2	27.4
150	12.2	10.1	15.1

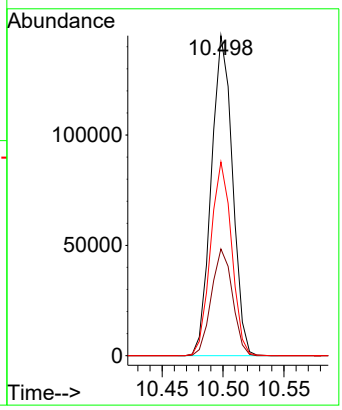




#61
4-Chlorophenyl-phenylether
Concen: 21.084 ng
RT: 10.498 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:204 Resp: 17530

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.5	39.7
141	60.5	49.0	73.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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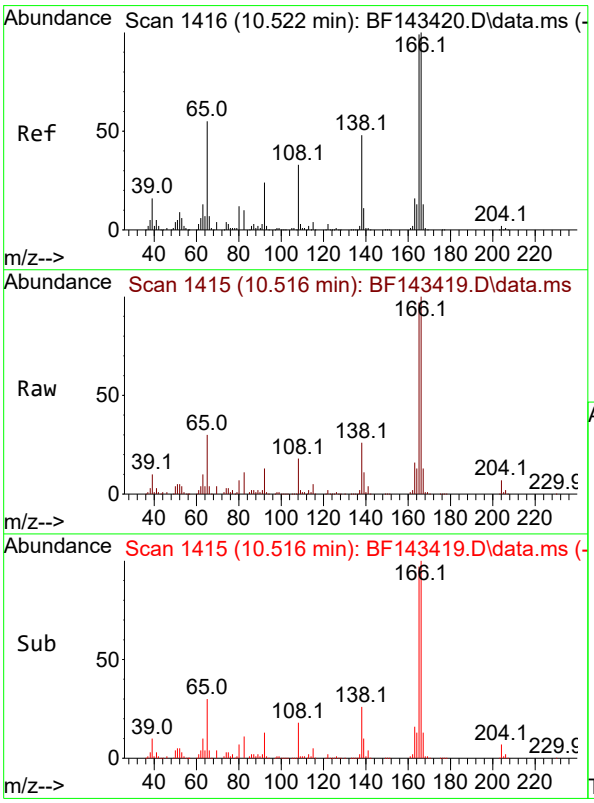
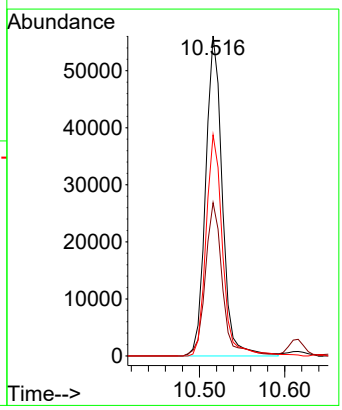
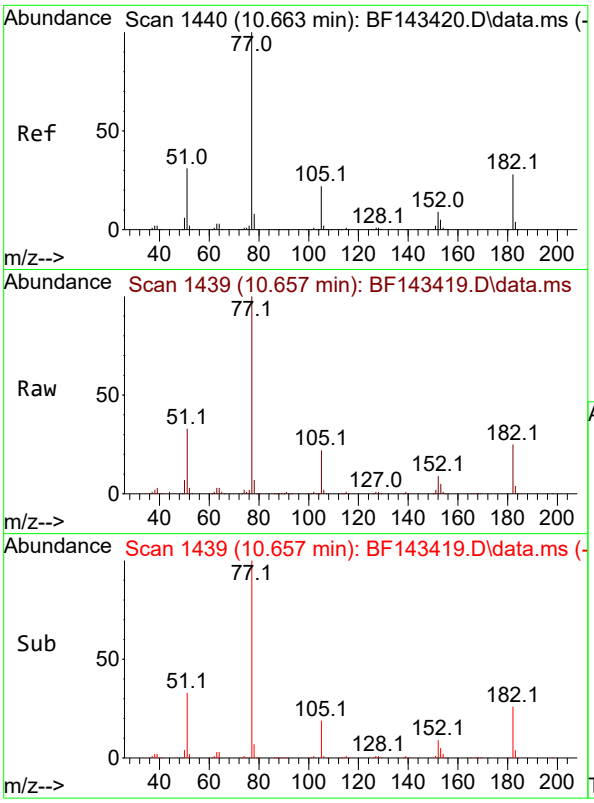


#62
4-Nitroaniline
Concen: 21.129 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:138 Resp: 76220

Ion	Ratio	Lower	Upper
138	100		
92	47.9	29.4	69.4
108	69.1	48.6	88.6

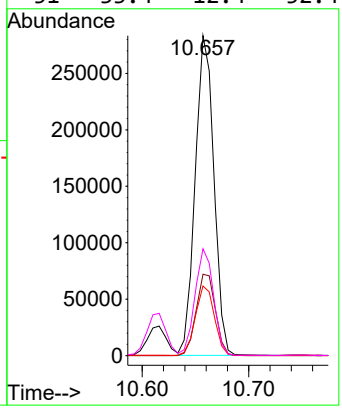




#63
Azobenzene
Concen: 21.108 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 77 Resp: 34630

Ion	Ratio	Lower	Upper
77	100		
182	25.5	7.4	47.4
105	21.8	1.7	41.7
51	33.4	12.4	52.4



Instrument :
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ClientSampleId :
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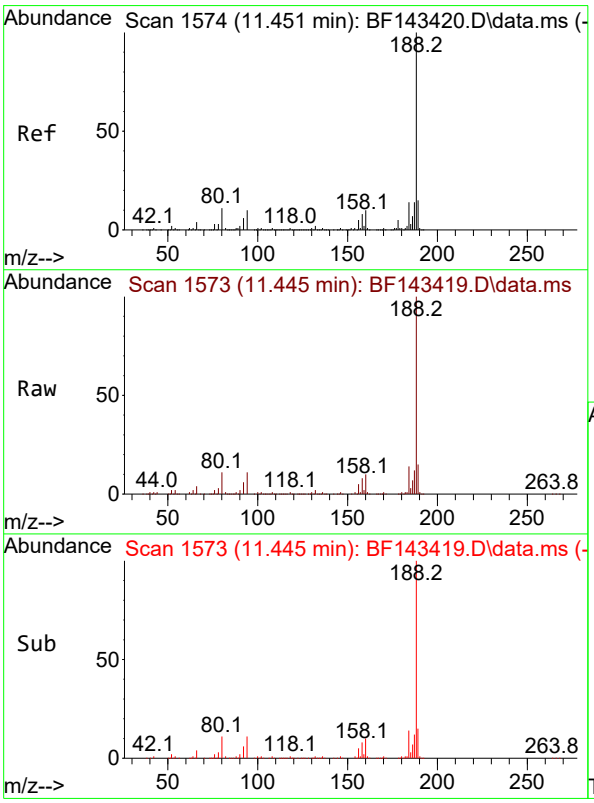
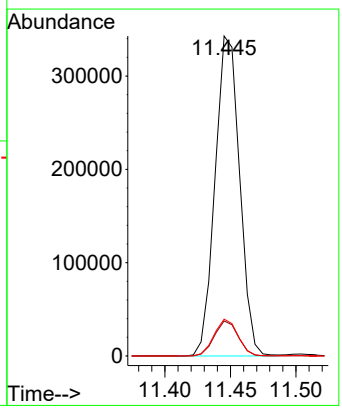
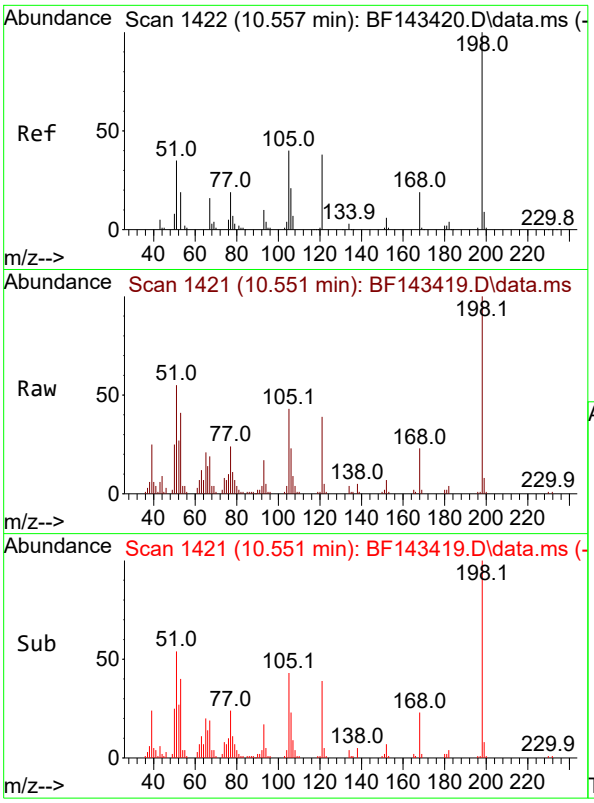


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:188 Resp: 446308

Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.0	12.0
80	11.5	8.6	12.8

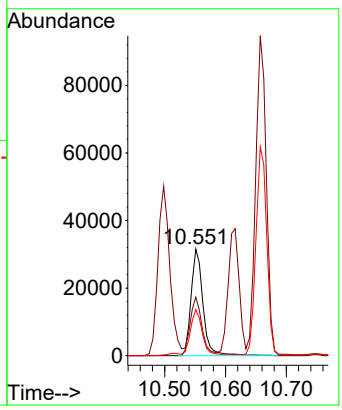




#65
4,6-Dinitro-2-methylphenol
Concen: 18.685 ng
RT: 10.551 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:198 Resp: 4302

Ion	Ratio	Lower	Upper
198	100		
51	54.9	31.2	71.2
105	43.2	21.7	61.7



Instrument :
BNA_F
ClientSampleId :
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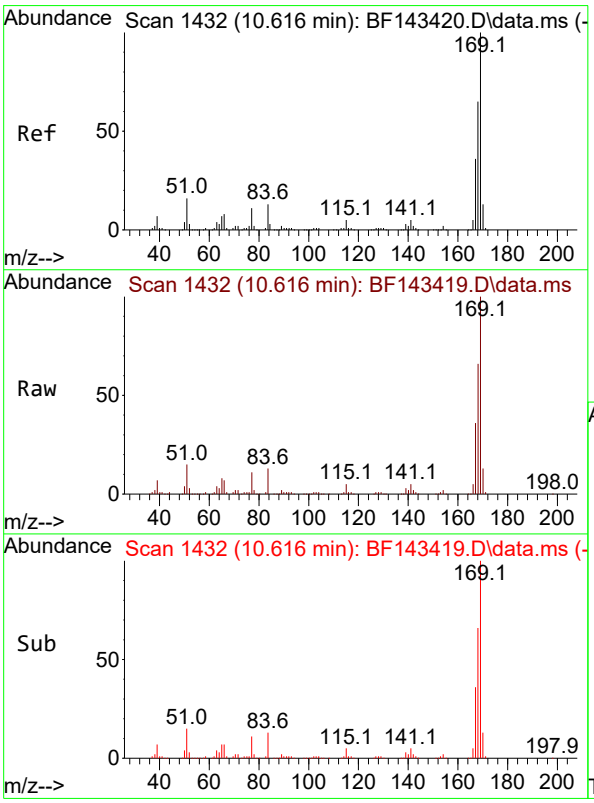
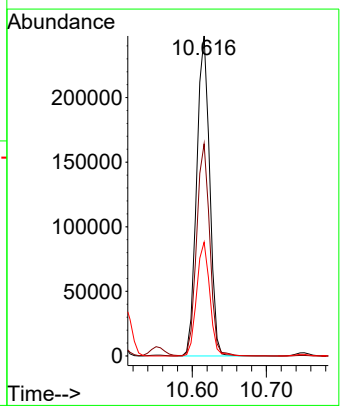
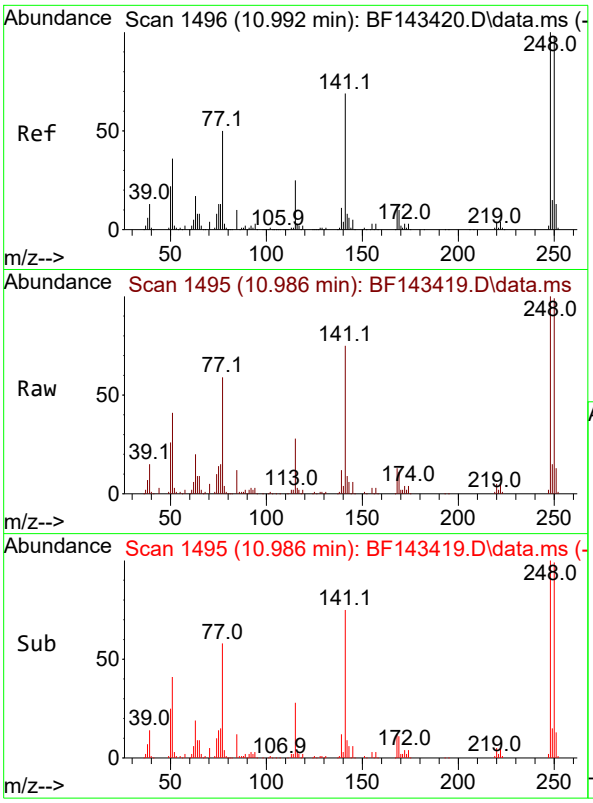


#66
n-Nitrosodiphenylamine
Concen: 20.804 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:169 Resp: 301902

Ion	Ratio	Lower	Upper
169	100		
168	66.3	52.5	78.7
167	35.6	28.6	42.8

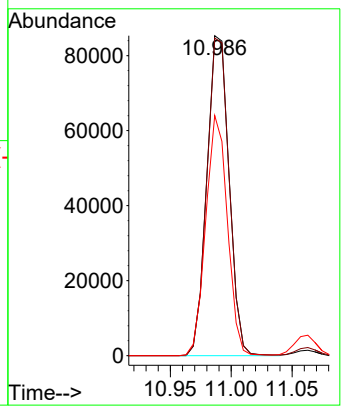




#67
4-Bromophenyl-phenylether
Concen: 20.607 ng
RT: 10.986 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:248 Resp: 10860

Ion	Ratio	Lower	Upper
248	100		
250	99.2	78.6	118.0
141	75.0	54.9	82.3



Instrument :
BNA_F
ClientSampleId :
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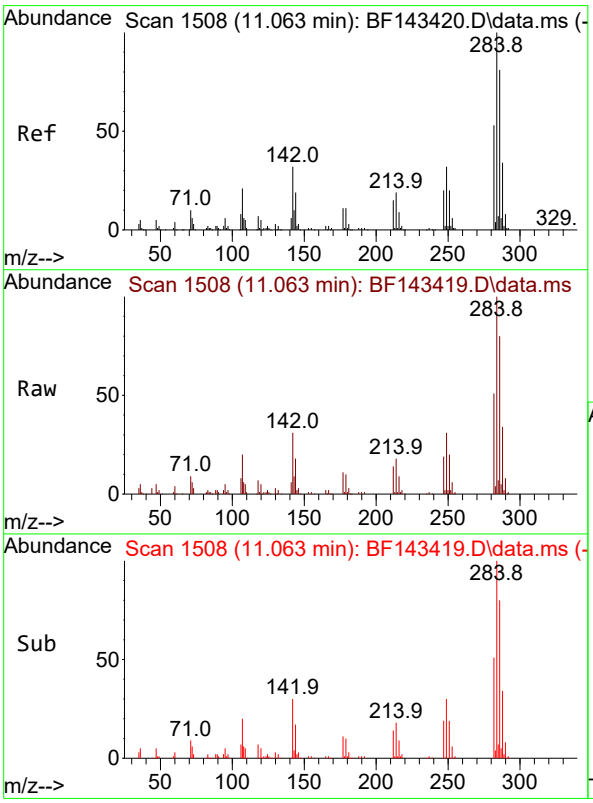
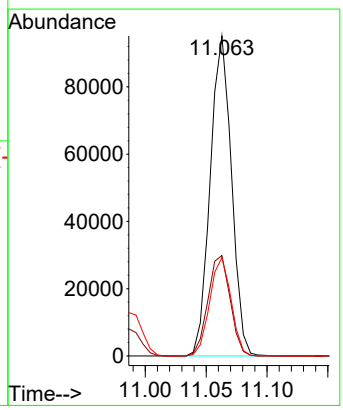
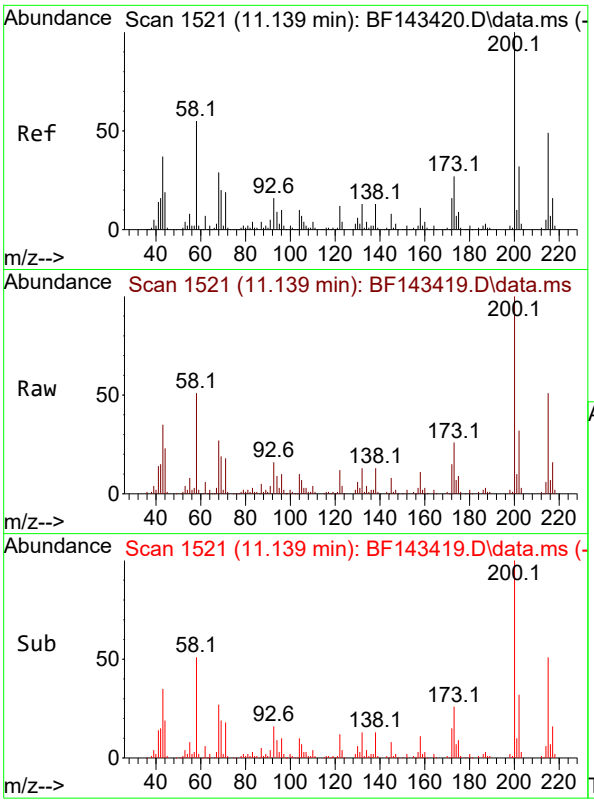


#68
Hexachlorobenzene
Concen: 20.642 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:284 Resp: 115655

Ion	Ratio	Lower	Upper
284	100		
142	31.4	25.4	38.2
249	30.8	25.4	38.0

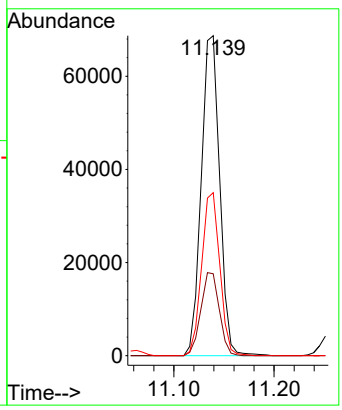




#69
Atrazine
Concen: 20.722 ng
RT: 11.139 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:200 Resp: 8795

Ion	Ratio	Lower	Upper
200	100		
173	25.6	6.6	46.6
215	50.9	29.5	69.5



Instrument :
BNA_F
ClientSampleId :
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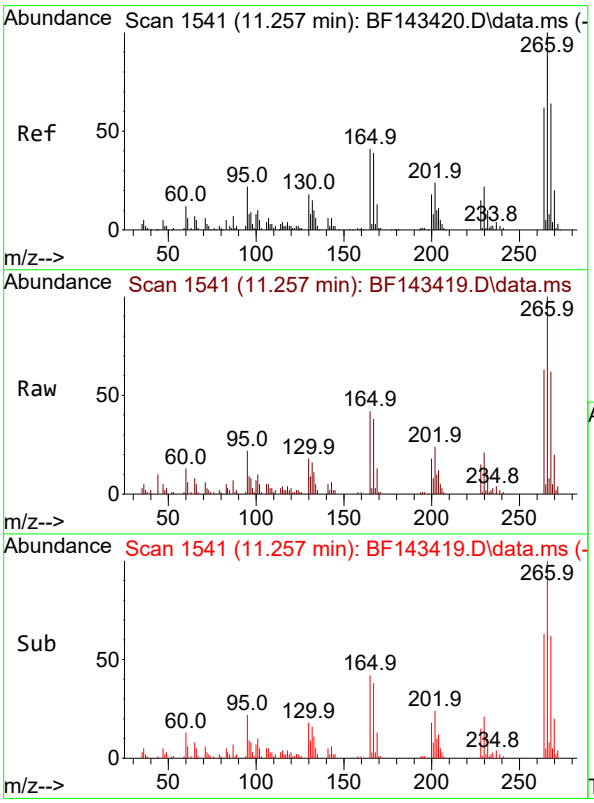
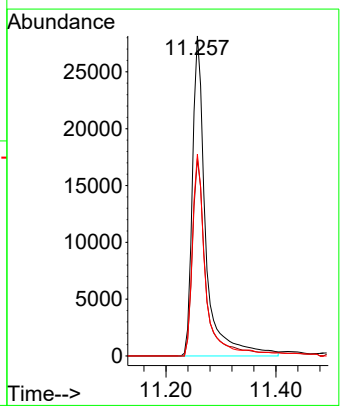
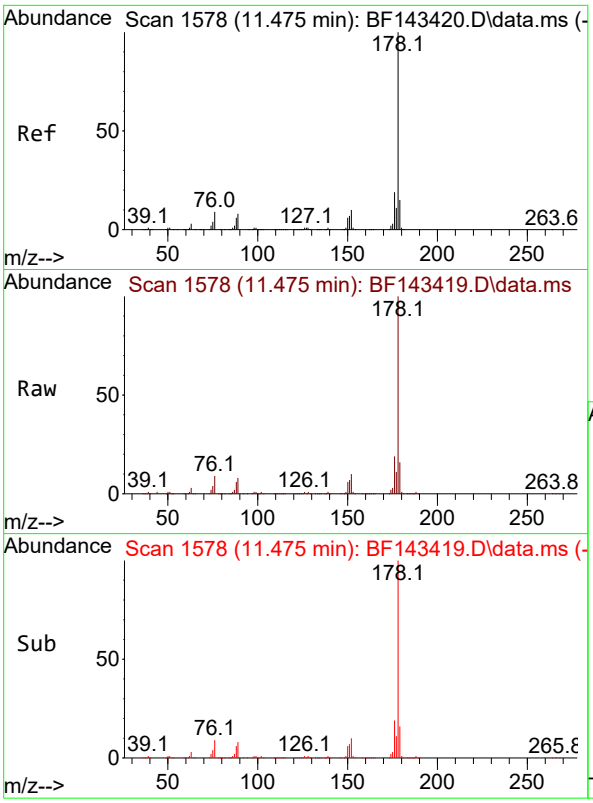


#70
Pentachlorophenol
Concen: 19.081 ng
RT: 11.257 min Scan# 1541
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:266 Resp: 47465

Ion	Ratio	Lower	Upper
266	100		
268	61.6	51.0	76.6
264	63.1	49.3	73.9

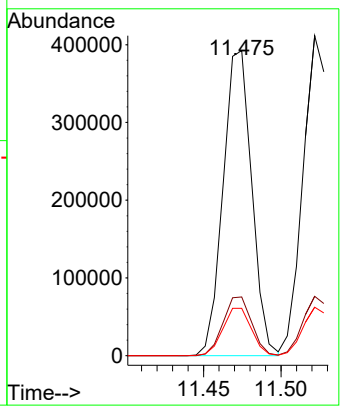




#71
Phenanthrene
Concen: 20.895 ng
RT: 11.475 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:178 Resp: 50500

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.5	12.3	18.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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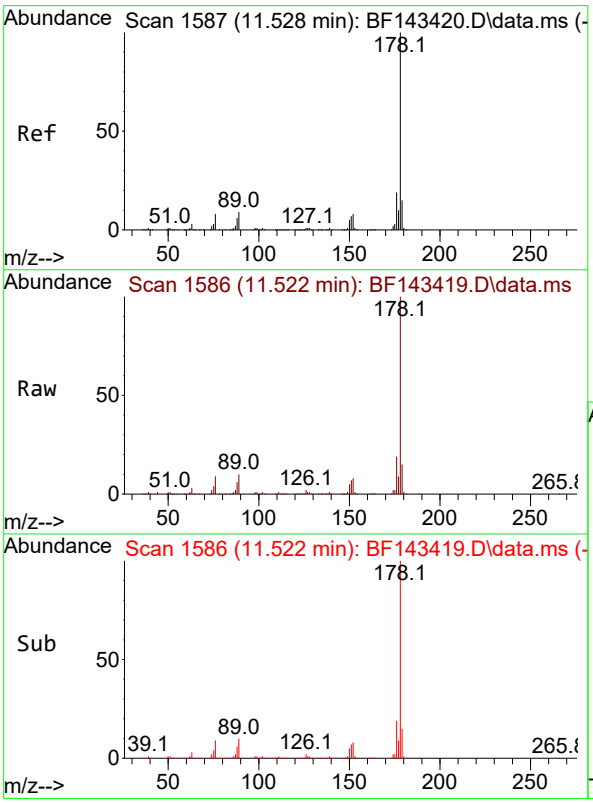
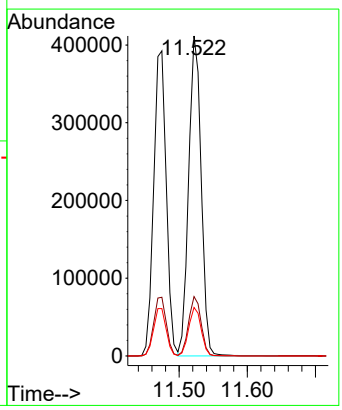
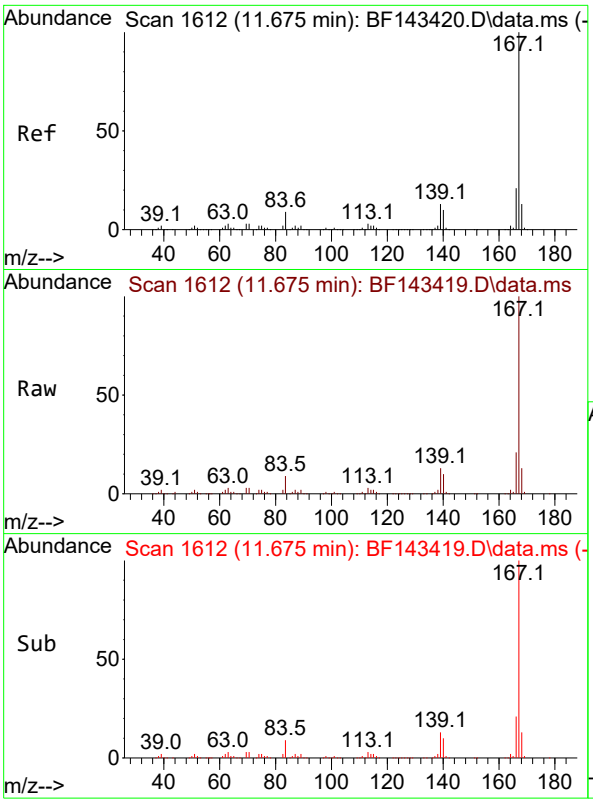


#72
Anthracene
Concen: 21.325 ng
RT: 11.522 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:178 Resp: 520546

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.2	12.2	18.4

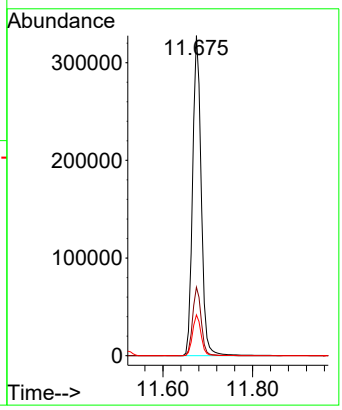




#73
Carbazole
Concen: 21.107 ng
RT: 11.675 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:167 Resp: 43575

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.2	25.8
139	12.8	10.1	15.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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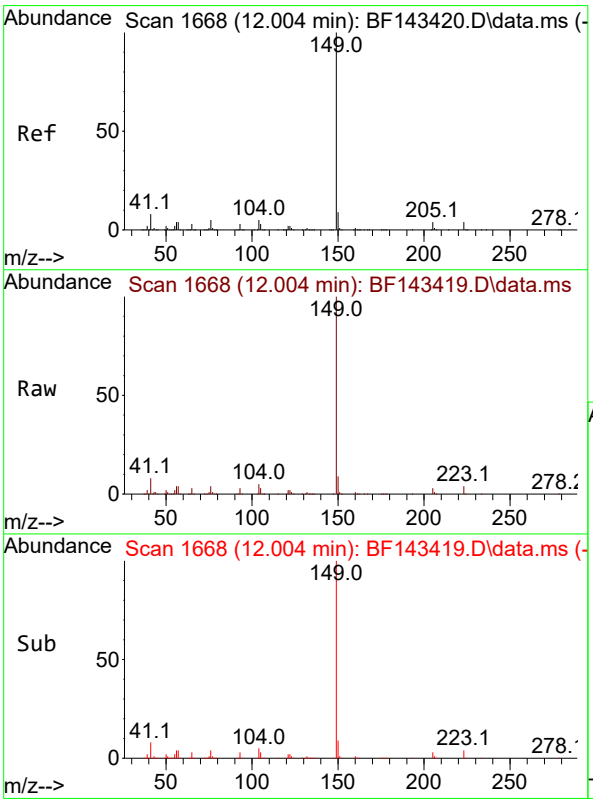
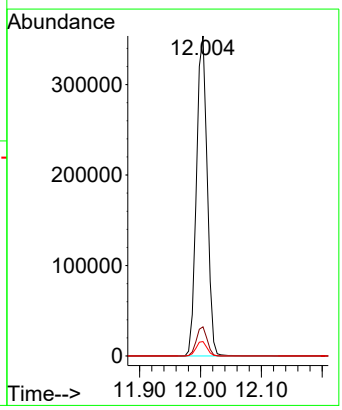
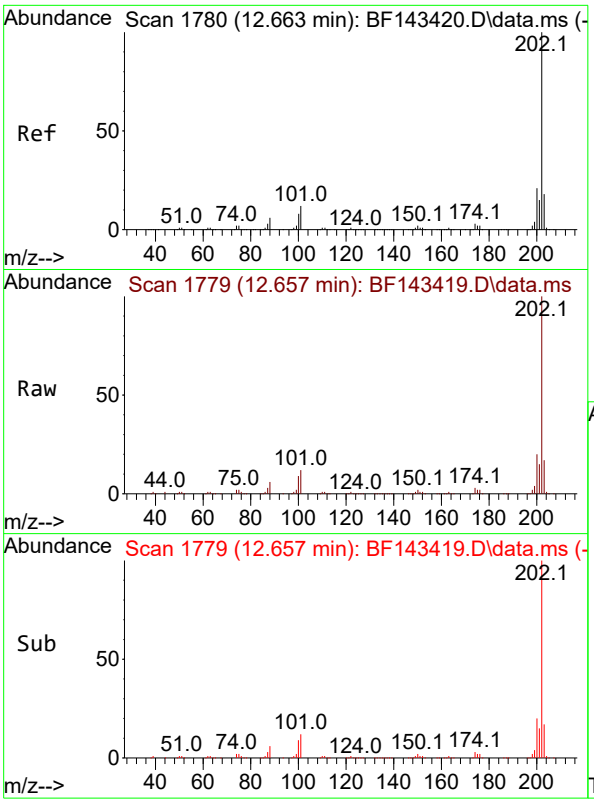


#74
Di-n-butylphthalate
Concen: 21.064 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:149 Resp: 433056

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.5	3.8	5.6

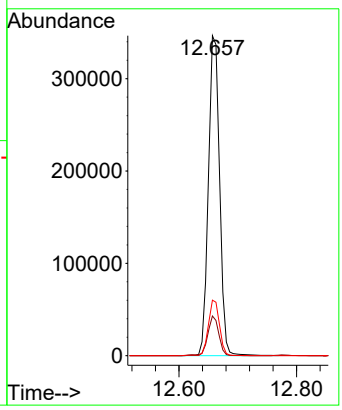




#75
Fluoranthene
Concen: 21.327 ng
RT: 12.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:202 Resp: 45800

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	31.5
203	17.4	0.0	37.5



Instrument :
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ClientSampleId :
SSTDICC020

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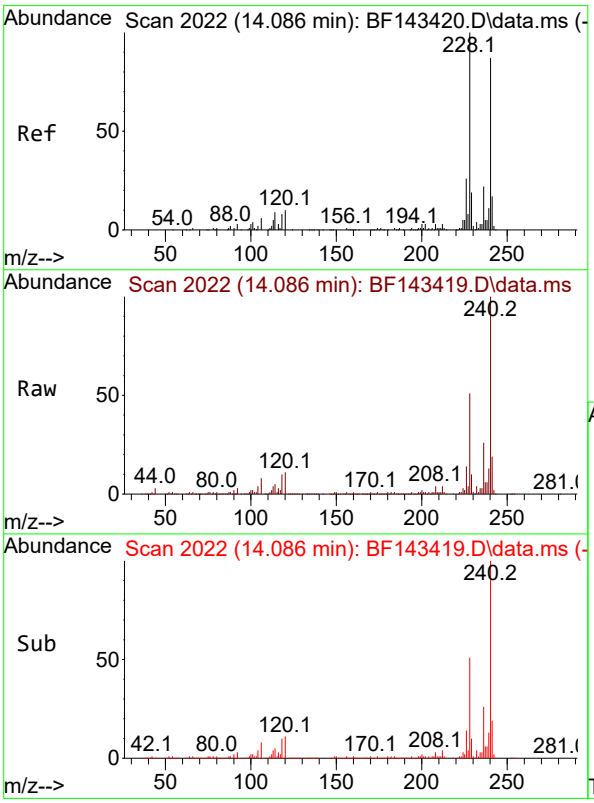
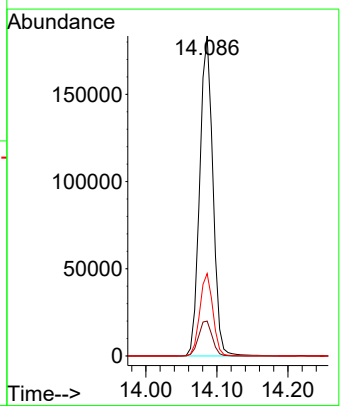
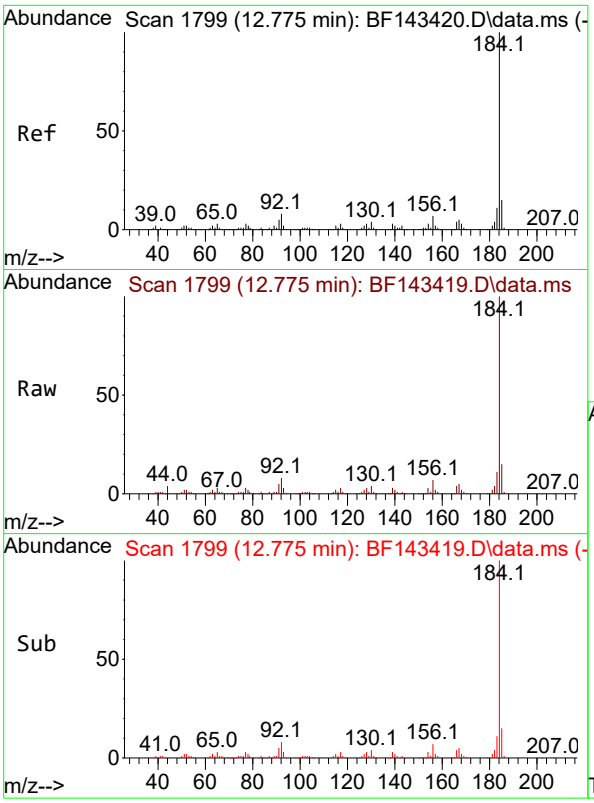


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:240 Resp: 237684

Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.0	13.4
236	25.7	20.2	30.2

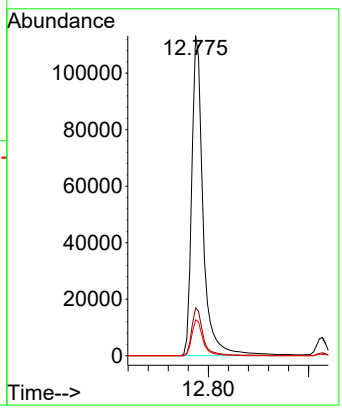




#77
Benzidine
Concen: 26.473 ng
RT: 12.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:184 Resp: 17812

Ion	Ratio	Lower	Upper
184	100		
185	14.9	12.2	18.2
183	11.2	9.2	13.8



Instrument :
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ClientSampleId :
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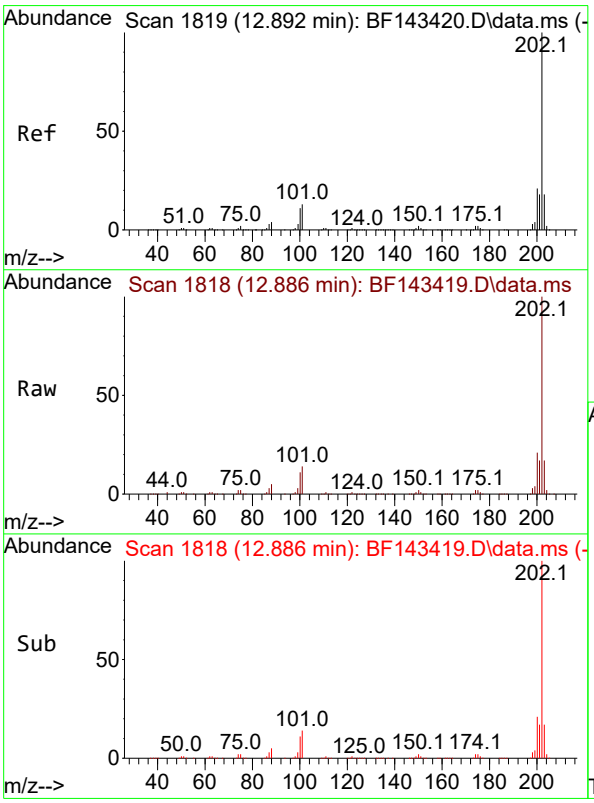
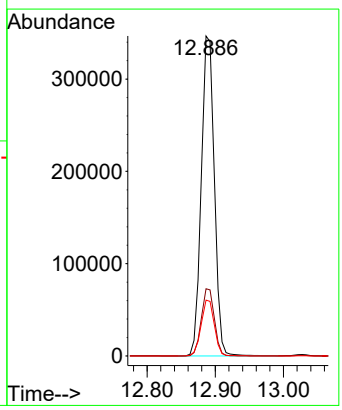
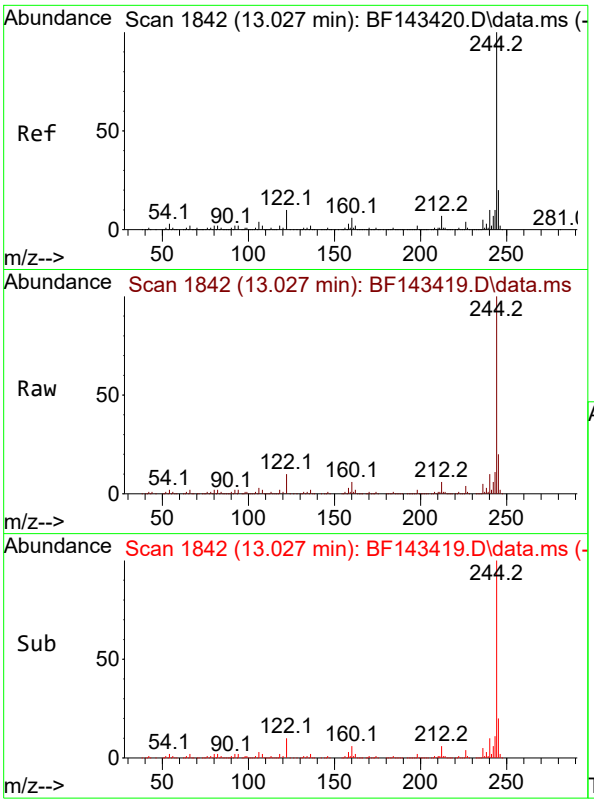


#78
Pyrene
Concen: 22.435 ng
RT: 12.886 min Scan# 1818
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:202 Resp: 463473

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.1	25.7
203	17.5	14.2	21.2

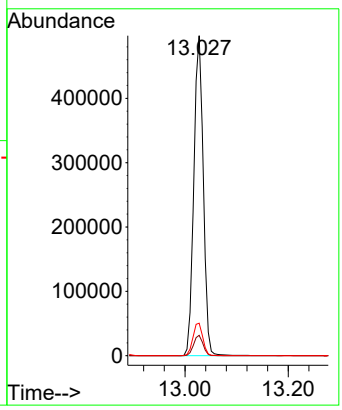




#79
Terphenyl-d14
Concen: 44.646 ng
RT: 13.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:244 Resp: 63170

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	10.2	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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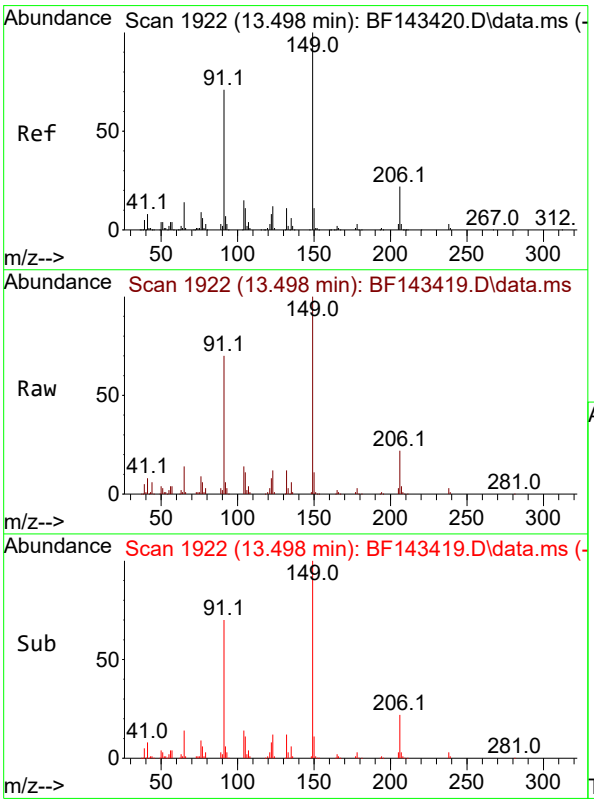
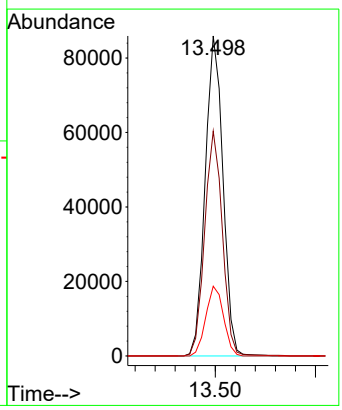
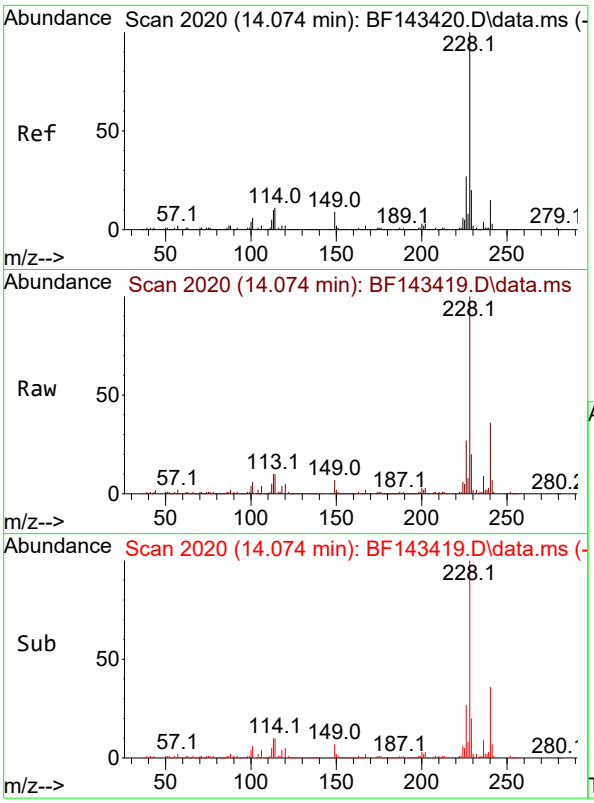


#80
Butylbenzylphthalate
Concen: 20.702 ng
RT: 13.498 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:149 Resp: 105931

Ion	Ratio	Lower	Upper
149	100		
91	70.2	57.0	85.4
206	21.8	17.6	26.4

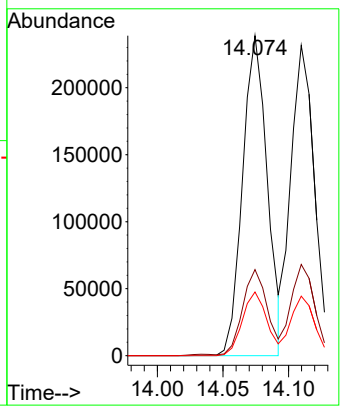




#81
Benzo(a)anthracene
Concen: 20.706 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:228 Resp: 31333

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.5	32.3
229	19.9	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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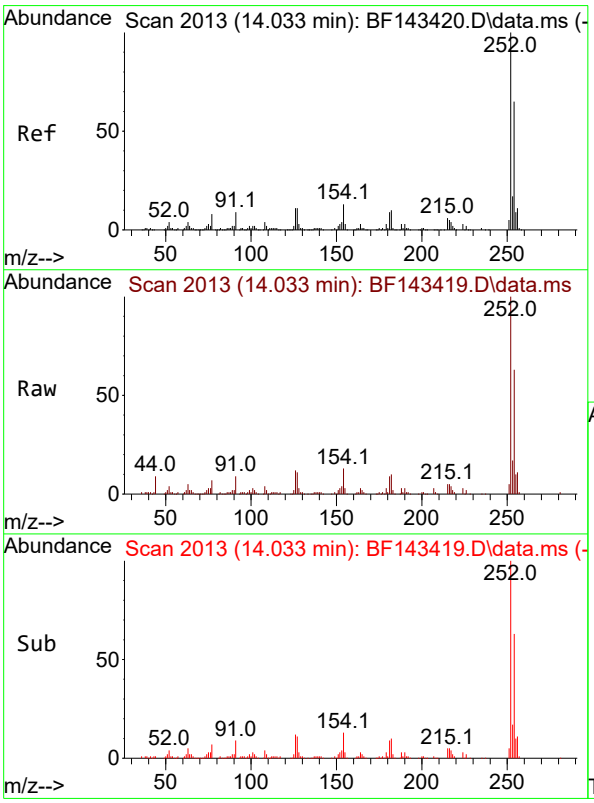
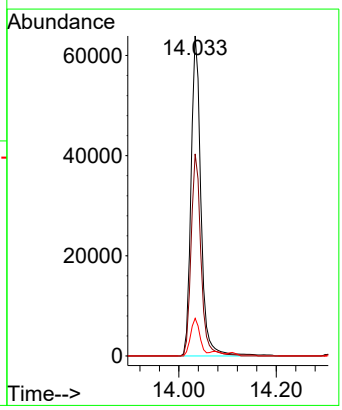
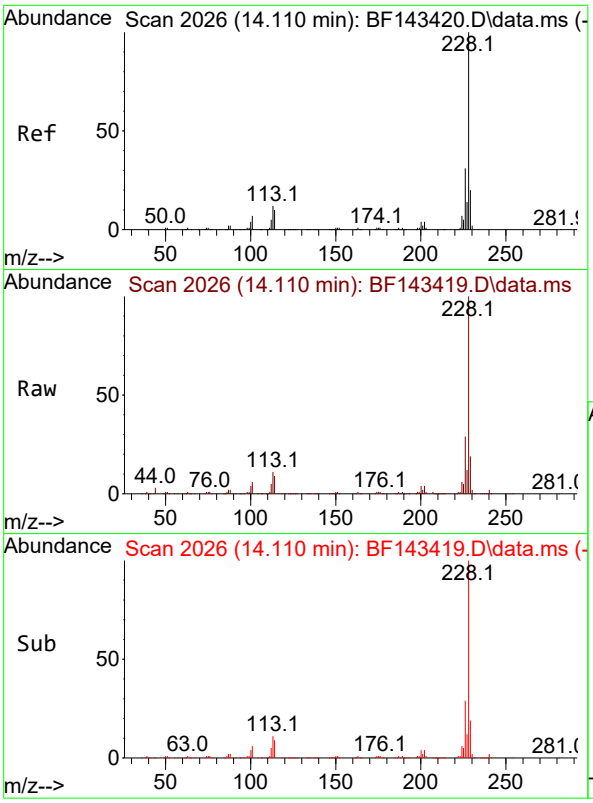


#82
3,3'-Dichlorobenzidine
Concen: 20.470 ng
RT: 14.033 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:252 Resp: 90692

Ion	Ratio	Lower	Upper
252	100		
254	63.2	51.6	77.4
126	11.7	8.8	13.2

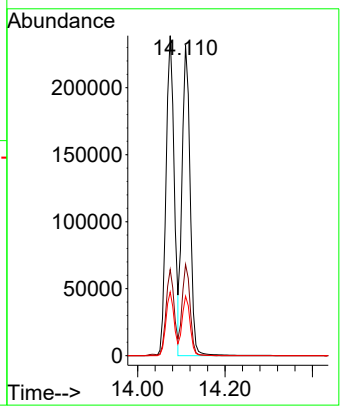




#83
Chrysene
Concen: 21.065 ng
RT: 14.110 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:228 Resp: 29469(

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.3	36.5
229	19.2	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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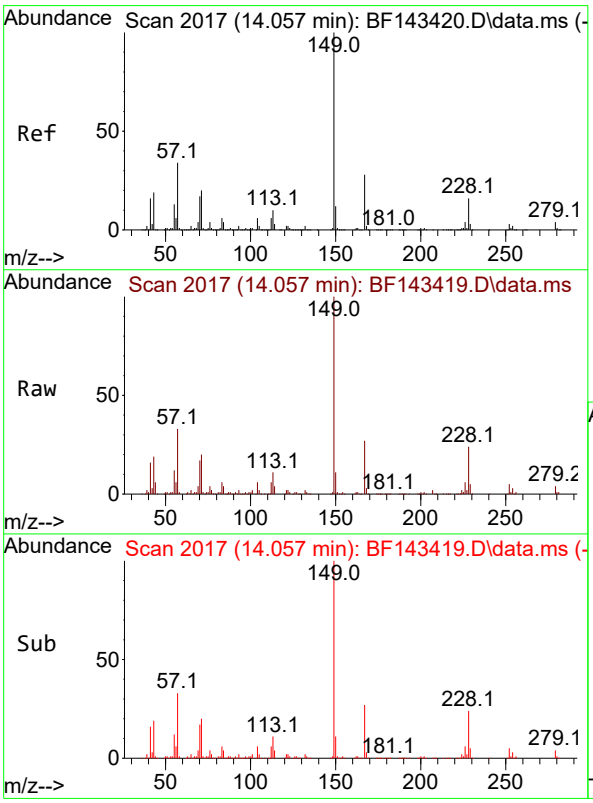
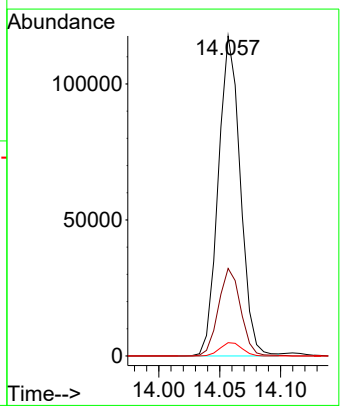
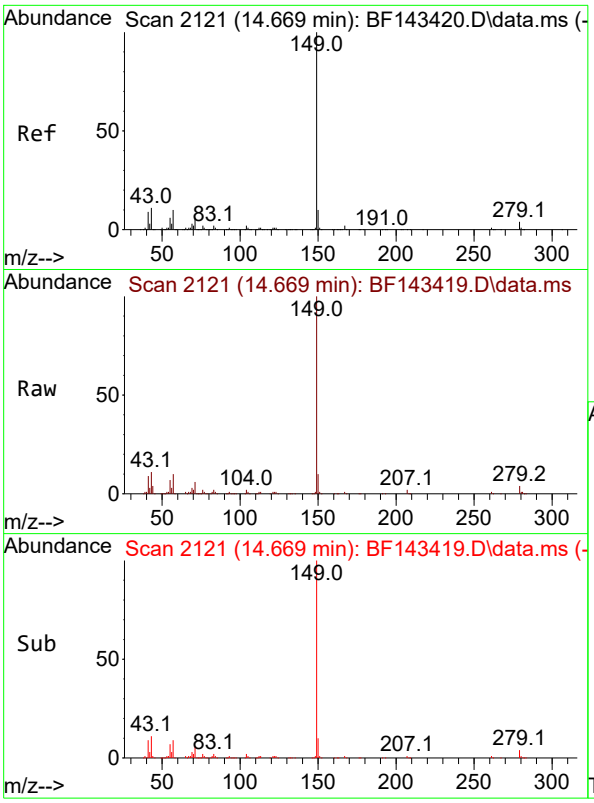


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.395 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:149 Resp: 148211

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.6	33.8
279	4.1	3.5	5.3





#85
Di-n-octyl phthalate
Concen: 19.503 ng
RT: 14.669 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:149 Resp: 28745

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.5	9.0	13.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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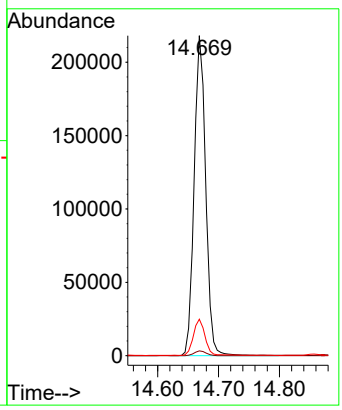
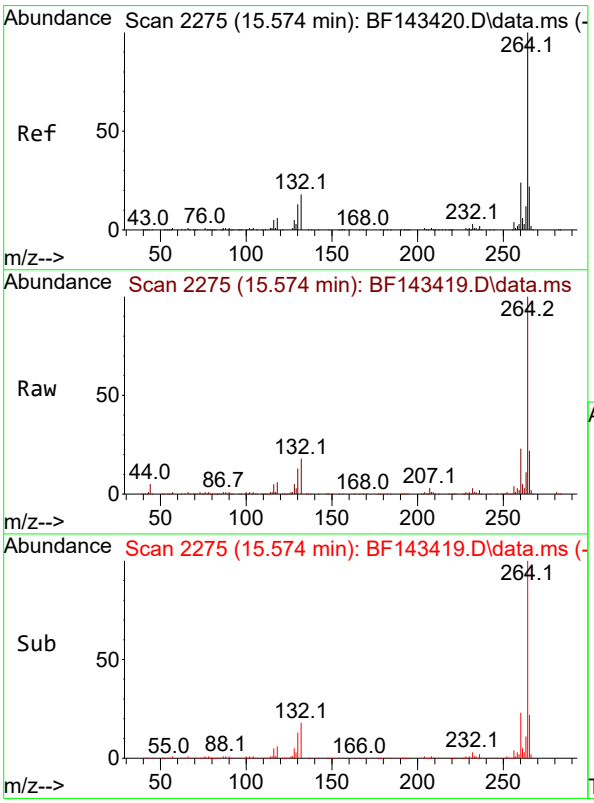
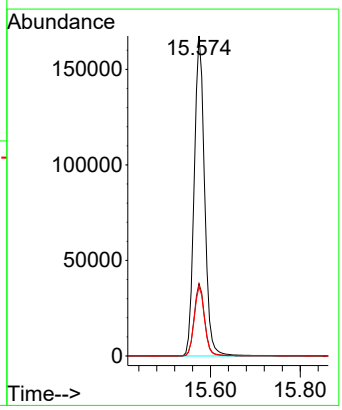


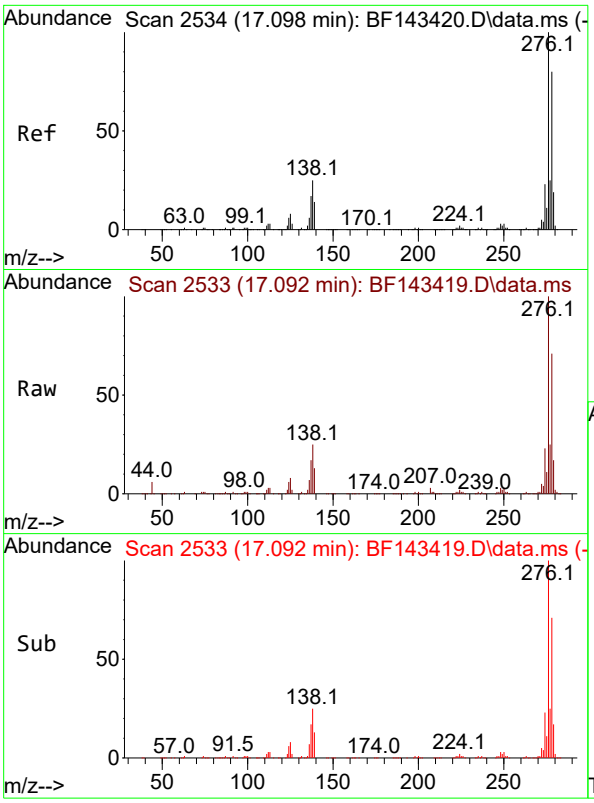


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2275
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:264 Resp: 269028

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.8	28.2
265	21.6	17.4	26.0

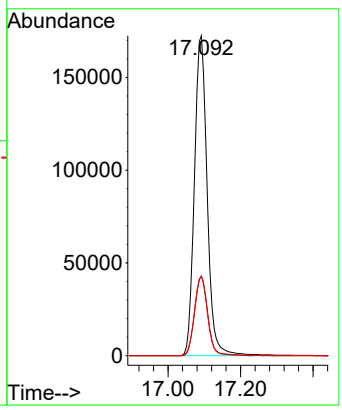




#87
Indeno(1,2,3-cd)pyrene
Concen: 20.929 ng
RT: 17.092 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:276 Resp: 42222

Ion	Ratio	Lower	Upper
276	100		
138	25.7	20.2	30.4
277	25.4	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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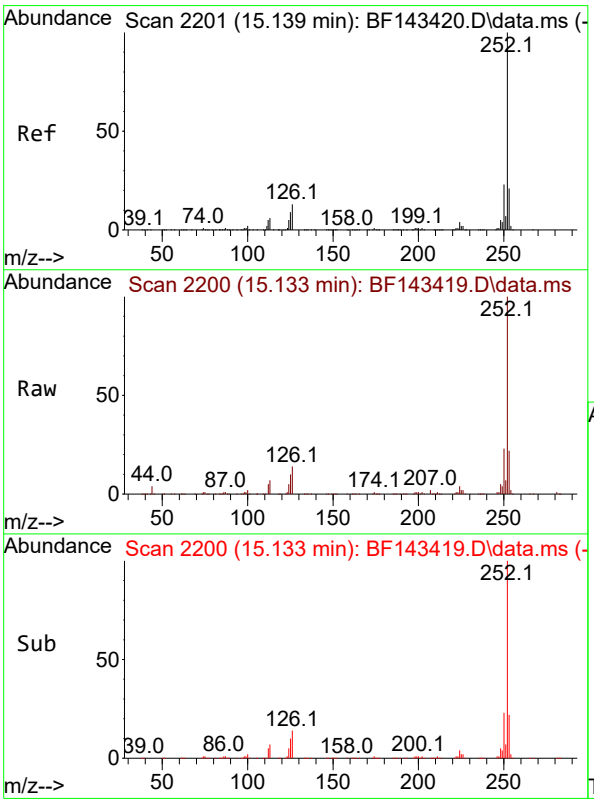
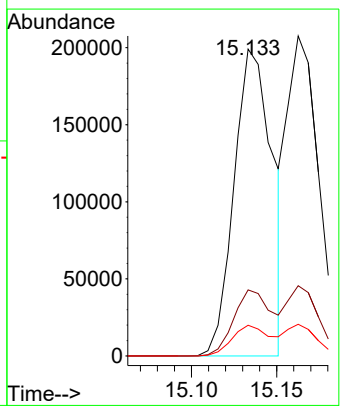
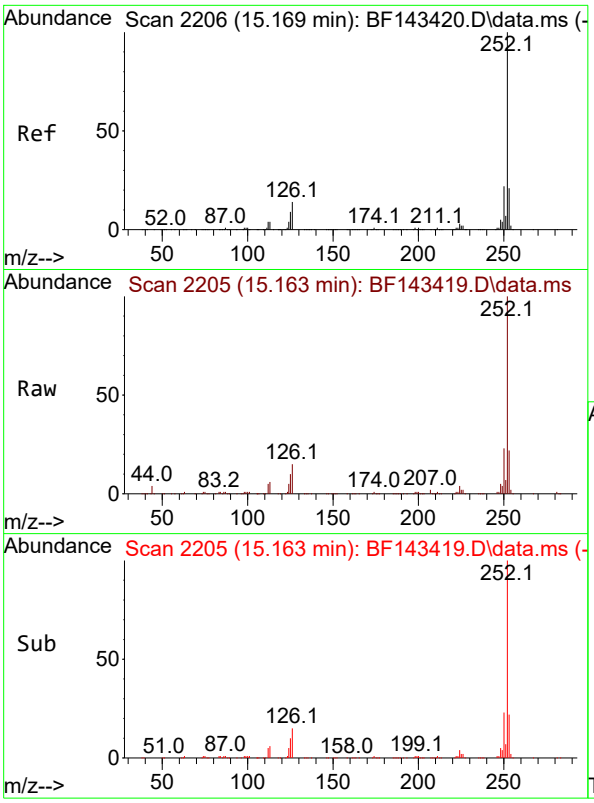


#88
Benzo(b)fluoranthene
Concen: 21.598 ng
RT: 15.133 min Scan# 2200
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:252 Resp: 311415

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.1	25.7
125	10.0	7.5	11.3

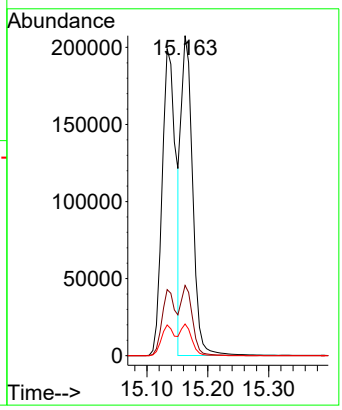




#89
Benzo(k)fluoranthene
Concen: 19.326 ng
RT: 15.163 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:252 Resp: 27484

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	9.9	7.4	11.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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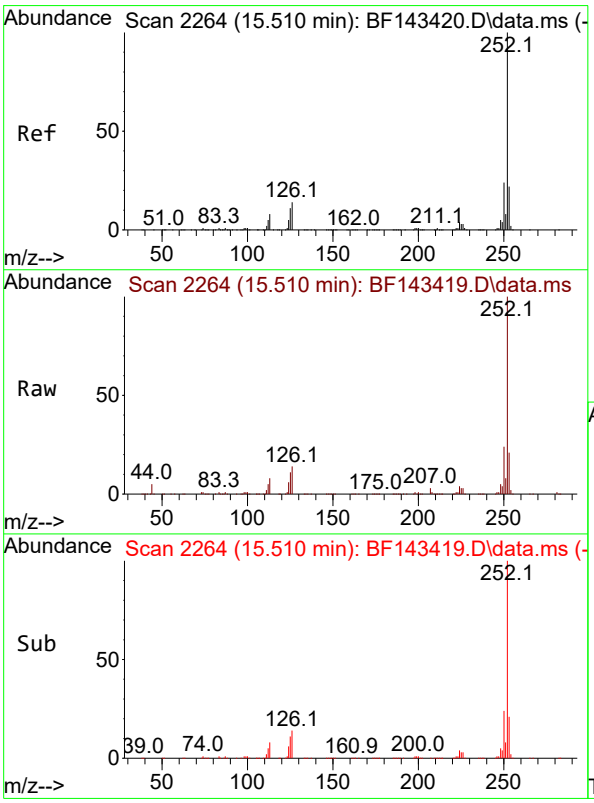
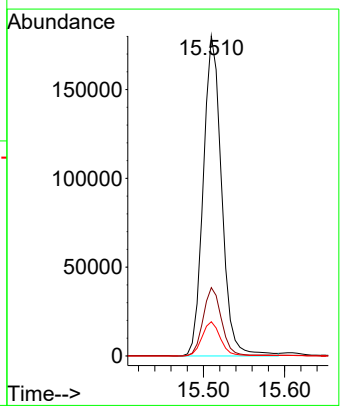
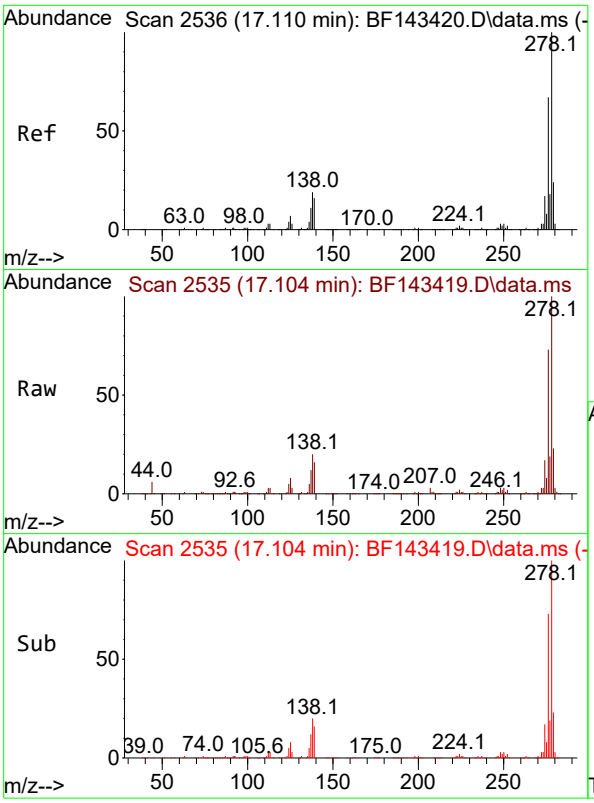


#90
Benzo(a)pyrene
Concen: 20.655 ng
RT: 15.510 min Scan# 2264
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:252 Resp: 283654

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.4	26.2
125	10.7	8.6	12.8

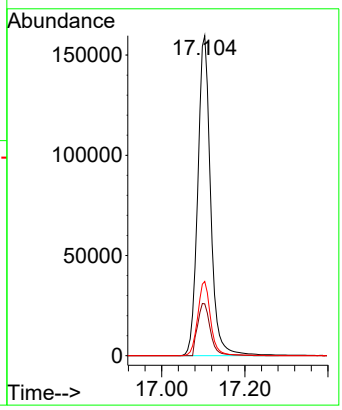




#91
Dibenzo(a,h)anthracene
Concen: 21.179 ng
RT: 17.104 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:278 Resp: 34312

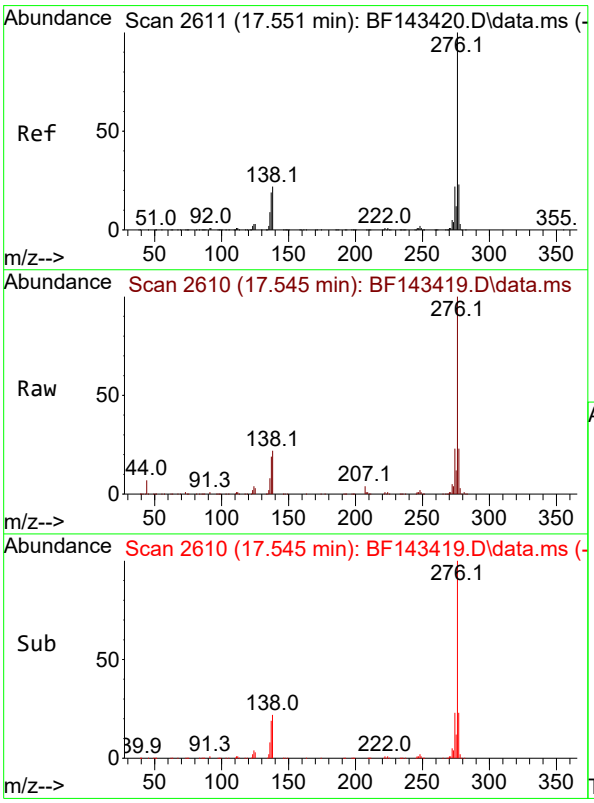
Ion	Ratio	Lower	Upper
278	100		
139	16.2	12.9	19.3
279	23.2	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

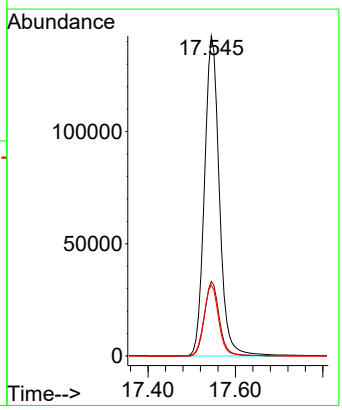
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#92
Benzo(g,h,i)perylene
Concen: 20.888 ng
RT: 17.545 min Scan# 2610
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:276 Resp: 338060

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.7	28.1
138	22.2	17.5	26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143420.D
Acq On : 15 Aug 2025 16:28
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Aug 15 18:27:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	132257	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	505729	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	275083	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	418439	20.000	ng	0.00
76) Chrysene-d12	14.086	240	217298	20.000	ng	0.00
86) Perylene-d12	15.574	264	282413	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	606940	79.773	ng	0.00
7) Phenol-d6	6.557	99	747976	78.010	ng	0.00
23) Nitrobenzene-d5	7.487	82	685209	80.398	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	194710	79.524	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1245188	76.137	ng	0.00
79) Terphenyl-d14	13.027	244	996745	77.055	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.734	88	149291	40.765	ng	100
3) Pyridine	3.510	79	393429	40.960	ng	100
4) n-Nitrosodimethylamine	3.452	42	180000	40.318	ng	100
6) Aniline	6.593	93	524888	40.324	ng	100
8) 2-Chlorophenol	6.716	128	331125	39.421	ng	100
9) Benzaldehyde	6.475	77	194204	38.074	ng	100
10) Phenol	6.575	94	449047	40.134	ng	100
11) bis(2-Chloroethyl)ether	6.657	93	327002	39.428	ng	100
12) 1,3-Dichlorobenzene	6.869	146	369069	39.224	ng	100
13) 1,4-Dichlorobenzene	6.946	146	369492	39.334	ng	100
14) 1,2-Dichlorobenzene	7.098	146	350532	39.068	ng	100
15) Benzyl Alcohol	7.069	79	285470	40.372	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.198	45	554459	39.105	ng	100
17) 2-Methylphenol	7.181	107	271001	39.543	ng	100
18) Hexachloroethane	7.440	117	126367	39.521	ng	100
19) n-Nitroso-di-n-propyla...	7.334	70	228365	38.472	ng	100
20) 3+4-Methylphenols	7.334	107	328370	40.072	ng	100
22) Acetophenone	7.334	105	423320	38.931	ng	100
24) Nitrobenzene	7.504	77	361256	40.556	ng	100
25) Isophorone	7.745	82	641248	39.312	ng	100
26) 2-Nitrophenol	7.822	139	171491	41.530	ng	100
27) 2,4-Dimethylphenol	7.863	122	272589	39.043	ng	100
28) bis(2-Chloroethoxy)met...	7.951	93	394269	39.324	ng	100
29) 2,4-Dichlorophenol	8.069	162	284618	39.990	ng	100
30) 1,2,4-Trichlorobenzene	8.151	180	286685	39.312	ng	100
31) Naphthalene	8.234	128	951330	39.623	ng	100
32) Benzoic acid	7.975	122	144395	39.956	ng	100
33) 4-Chloroaniline	8.275	127	348006	40.155	ng	100
34) Hexachlorobutadiene	8.351	225	185656	39.924	ng	100
35) Caprolactam	8.645	113	81112	39.584	ng	100
36) 4-Chloro-3-methylphenol	8.757	107	291801	39.809	ng	100
37) 2-Methylnaphthalene	8.922	142	631789	39.038	ng	100
38) 1-Methylnaphthalene	9.022	142	604084	38.959	ng	100
40) 1,2,4,5-Tetrachloroben...	9.087	216	301932	39.357	ng	100
41) Hexachlorocyclopentadiene	9.081	237	98458	38.885	ng	100
43) 2,4,6-Trichlorophenol	9.198	196	194463	40.635	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143420.D
Acq On : 15 Aug 2025 16:28
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Aug 15 18:27:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

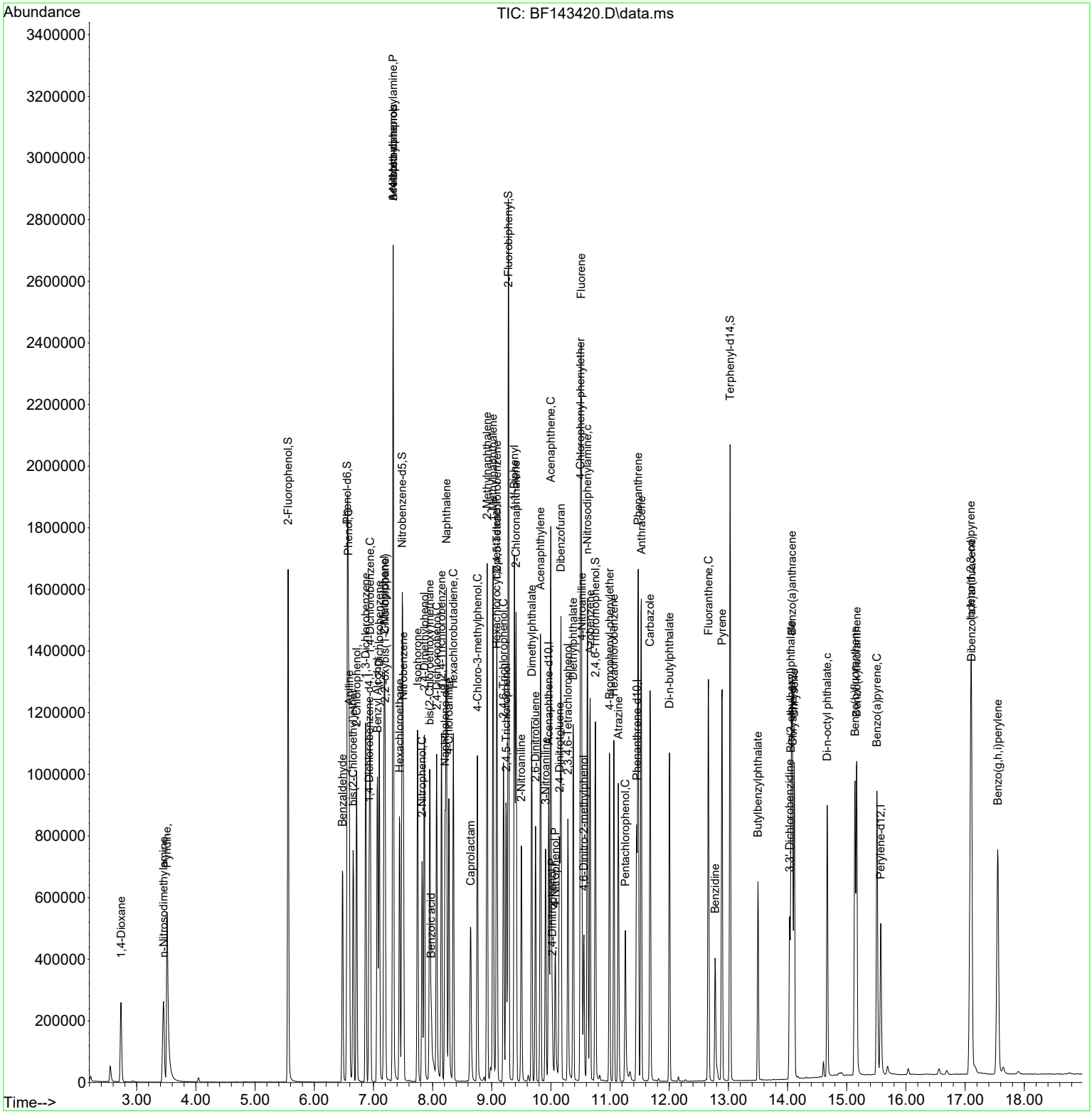
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	207994	40.546	ng	100
46) 1,1'-Biphenyl	9.381	154	756357	39.133	ng	100
47) 2-Chloronaphthalene	9.410	162	595680	39.044	ng	100
48) 2-Nitroaniline	9.498	65	184632	40.666	ng	100
49) Acenaphthylene	9.822	152	865258	39.280	ng	100
50) Dimethylphthalate	9.675	163	665610	38.811	ng	100
51) 2,6-Dinitrotoluene	9.739	165	138694	41.024	ng	100
52) Acenaphthene	9.998	154	573888	38.736	ng	100
53) 3-Nitroaniline	9.910	138	155480	41.285	ng	100
54) 2,4-Dinitrophenol	10.022	184	52940	37.023	ng	100
55) Dibenzofuran	10.169	168	834107	39.027	ng	100
56) 4-Nitrophenol	10.075	139	98425	41.570	ng	100
57) 2,4-Dinitrotoluene	10.145	165	183519	40.714	ng	100
58) Fluorene	10.510	166	623065	37.948	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.286	232	163623	42.137	ng	100
60) Diethylphthalate	10.375	149	609804	38.477	ng	100
61) 4-Chlorophenyl-phenyle...	10.498	204	315863	38.911	ng	100
62) 4-Nitroaniline	10.522	138	143326	40.695	ng	100
63) Azobenzene	10.663	77	625307	39.038	ng	100
65) 4,6-Dinitro-2-methylph...	10.557	198	89738	41.565	ng	100
66) n-Nitrosodiphenylamine	10.616	169	539955	39.686	ng	100
67) 4-Bromophenyl-phenylether	10.992	248	197382	39.946	ng	100
68) Hexachlorobenzene	11.063	284	204335	38.899	ng	100
69) Atrazine	11.139	200	159131	39.987	ng	100
70) Pentachlorophenol	11.257	266	95543	40.967	ng	100
71) Phenanthrene	11.475	178	887025	39.146	ng	100
72) Anthracene	11.528	178	891035	38.933	ng	100
73) Carbazole	11.675	167	748842	38.687	ng	100
74) Di-n-butylphthalate	12.004	149	746153	38.710	ng	100
75) Fluoranthene	12.663	202	747356	37.119	ng	100
77) Benzidine	12.775	184	246322	40.043	ng	100
78) Pyrene	12.892	202	737731	39.060	ng	100
80) Butylbenzylphthalate	13.498	149	199307	42.604	ng	100
81) Benzo(a)anthracene	14.074	228	545178	39.407	ng	100
82) 3,3'-Dichlorobenzidine	14.033	252	170953	42.205	ng	100
83) Chrysene	14.110	228	518778	40.562	ng	100
84) Bis(2-ethylhexyl)phtha...	14.057	149	290451	43.719	ng	100
85) Di-n-octyl phthalate	14.669	149	578031	42.897	ng	100
87) Indeno(1,2,3-cd)pyrene	17.098	276	844235	39.863	ng	100
88) Benzo(b)fluoranthene	15.139	252	615448	40.661	ng	100
89) Benzo(k)fluoranthene	15.169	252	594473	39.820	ng	100
90) Benzo(a)pyrene	15.510	252	589150	40.866	ng	100
91) Dibenzo(a,h)anthracene	17.110	278	679495	39.953	ng	100
92) Benzo(g,h,i)perylene	17.551	276	681509	40.113	ng	100

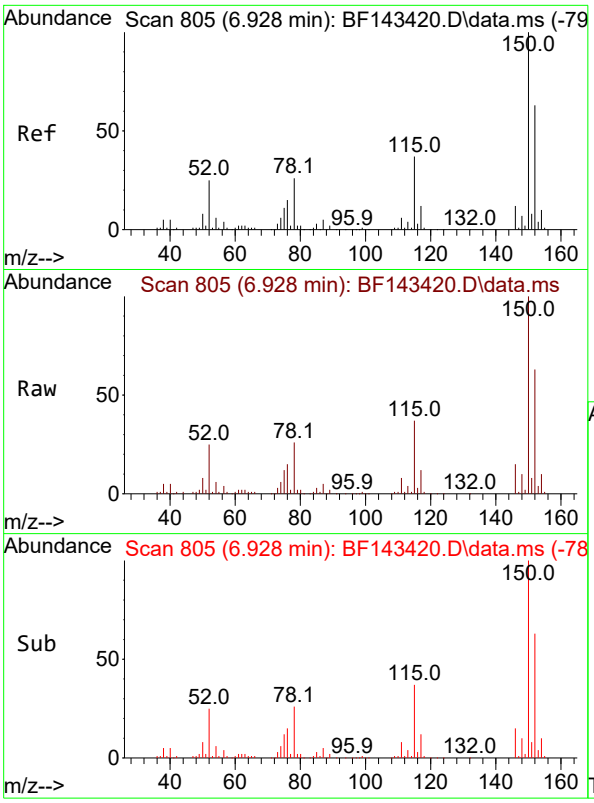
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143420.D
Acq On : 15 Aug 2025 16:28
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Aug 15 18:27:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration



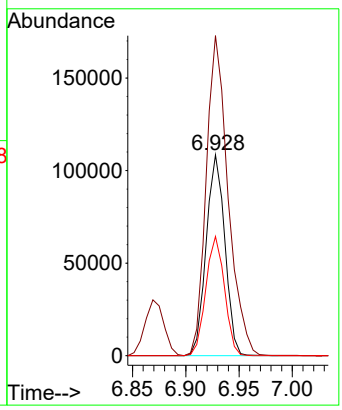


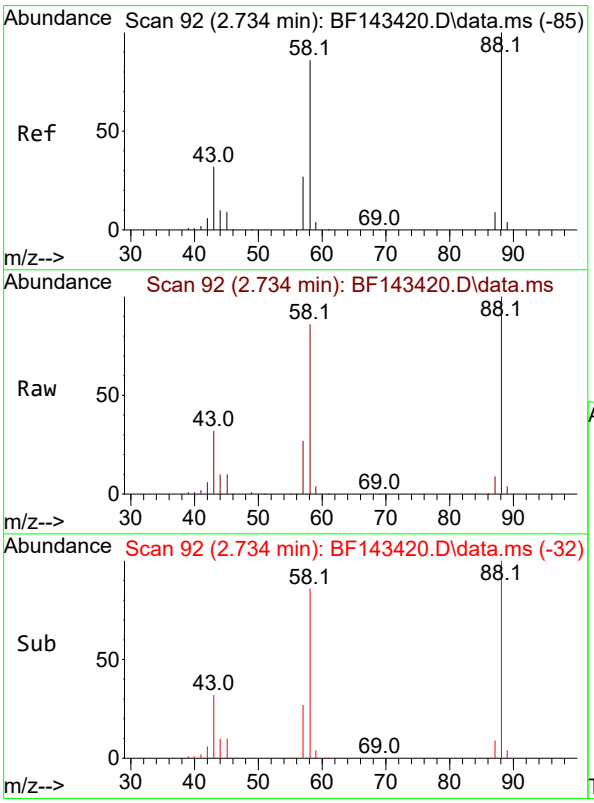
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 132257

Ion	Ratio	Lower	Upper
152	100		
150	159.3	127.4	191.2
115	59.4	47.5	71.3

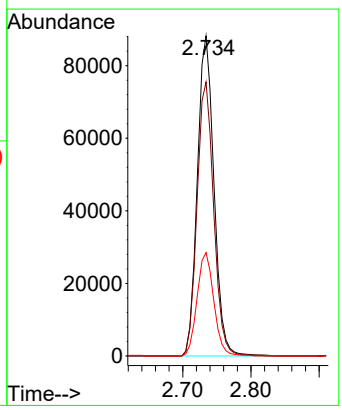


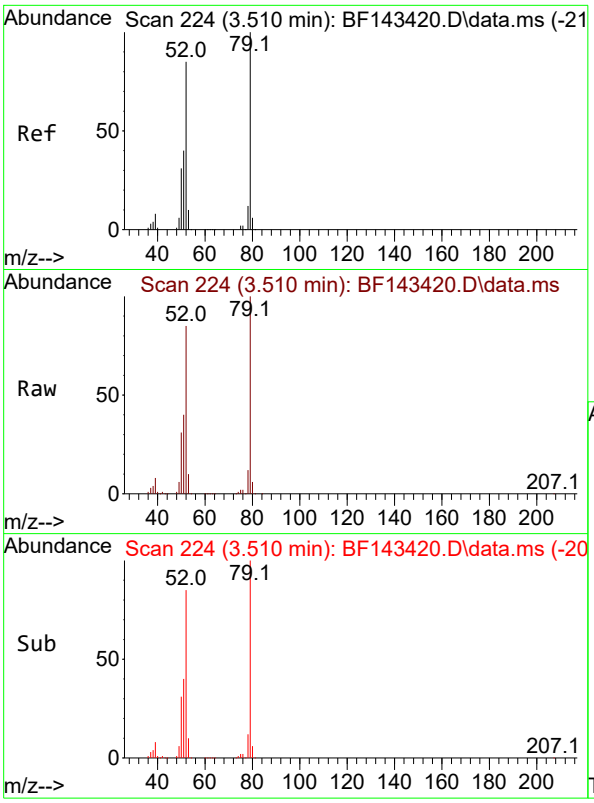


#2
1,4-Dioxane
Concen: 40.765 ng
RT: 2.734 min Scan# 92
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion: 88 Resp: 149291

Ion	Ratio	Lower	Upper
88	100		
58	85.9	68.7	103.1
43	32.6	26.1	39.1



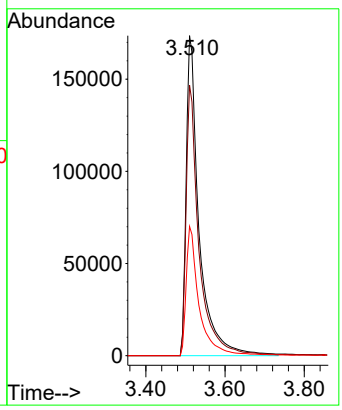


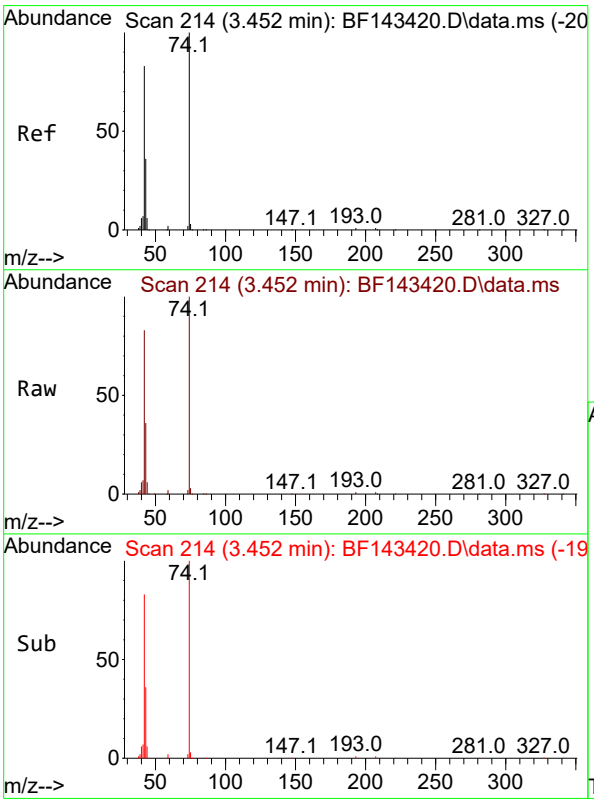
#3
Pyridine
Concen: 40.960 ng
RT: 3.510 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 393429

Ion	Ratio	Lower	Upper
79	100		
52	84.6	67.7	101.5
51	40.4	32.3	48.5

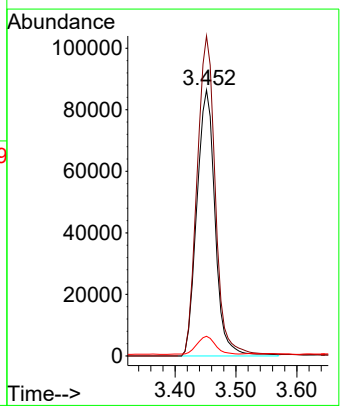


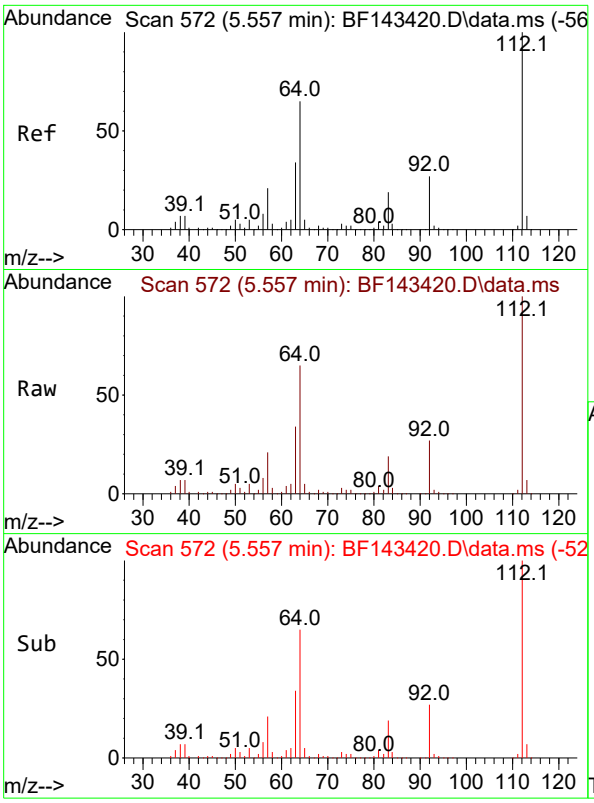


#4
n-Nitrosodimethylamine
Concen: 40.318 ng
RT: 3.452 min Scan# 214
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion: 42 Resp: 180000

Ion	Ratio	Lower	Upper
42	100		
74	120.3	96.2	144.4
44	7.4	5.9	8.9



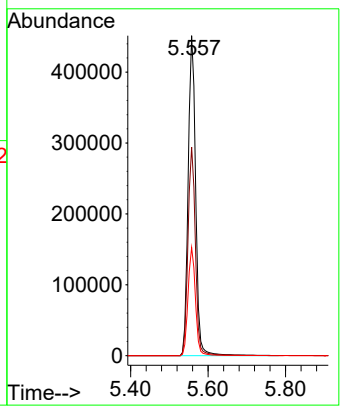


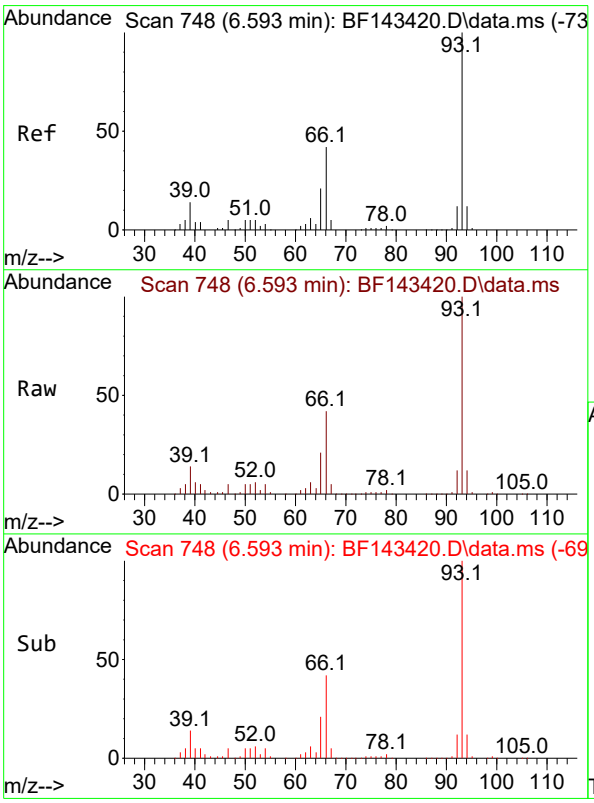
#5
2-Fluorophenol
Concen: 79.773 ng
RT: 5.557 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 606940

Ion	Ratio	Lower	Upper
112	100		
64	65.2	52.2	78.2
63	33.8	27.0	40.6

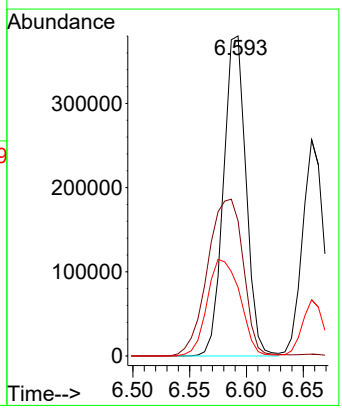


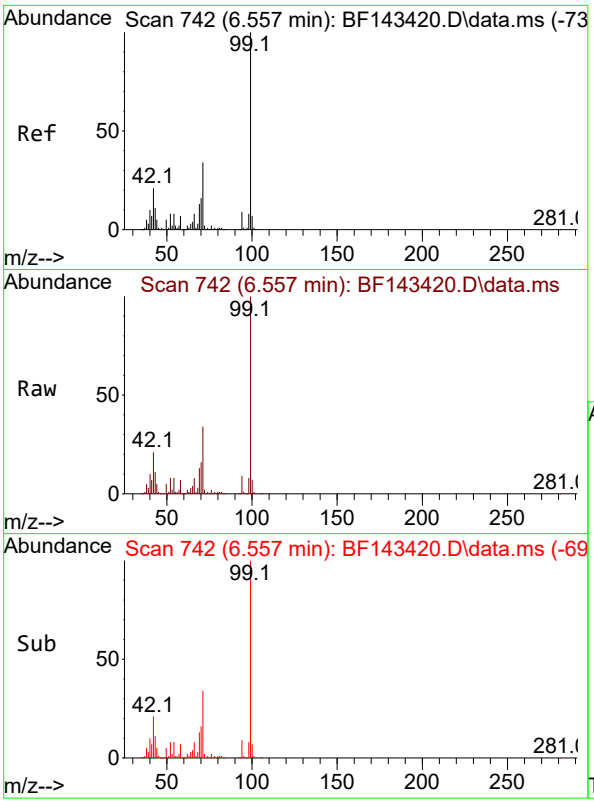


#6
Aniline
Concen: 40.324 ng
RT: 6.593 min Scan# 748
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion: 93 Resp: 524888

Ion	Ratio	Lower	Upper
93	100		
66	42.3	33.8	50.8
65	21.5	17.2	25.8



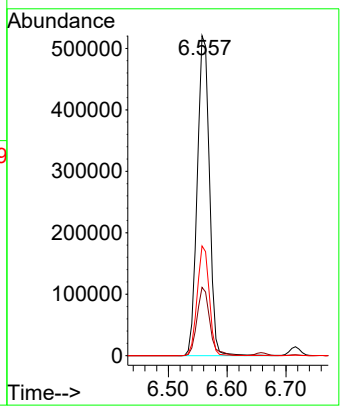


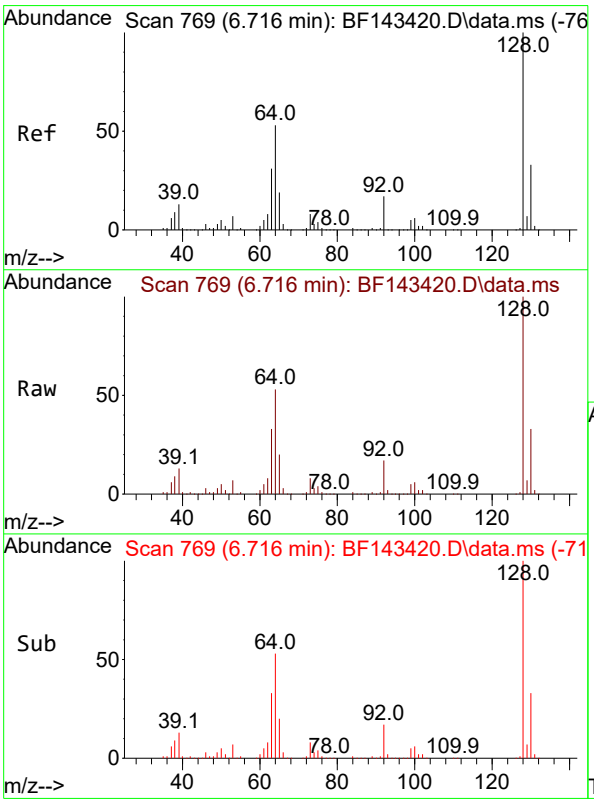
#7
Phenol-d6
Concen: 78.010 ng
RT: 6.557 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 747976

Ion	Ratio	Lower	Upper
99	100		
42	21.3	17.0	25.6
71	34.3	27.4	41.2

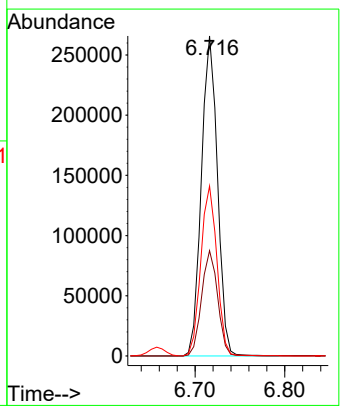


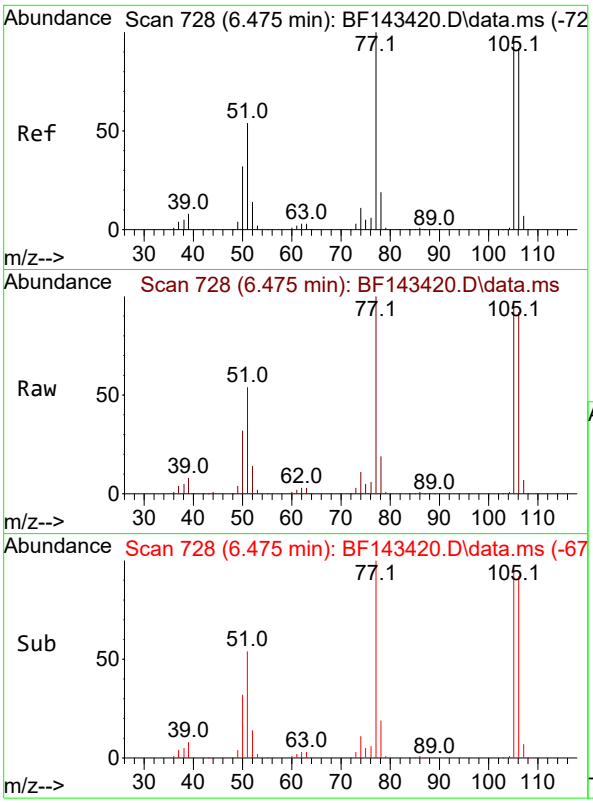


#8
2-Chlorophenol
Concen: 39.421 ng
RT: 6.716 min Scan# 769
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:128 Resp: 331125

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.9	52.9
64	53.1	33.1	73.1



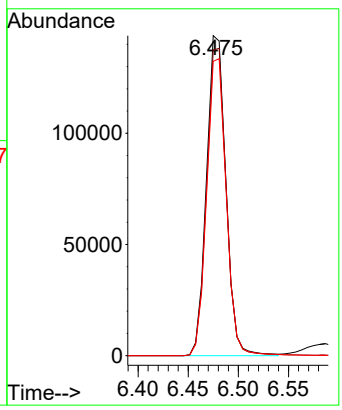


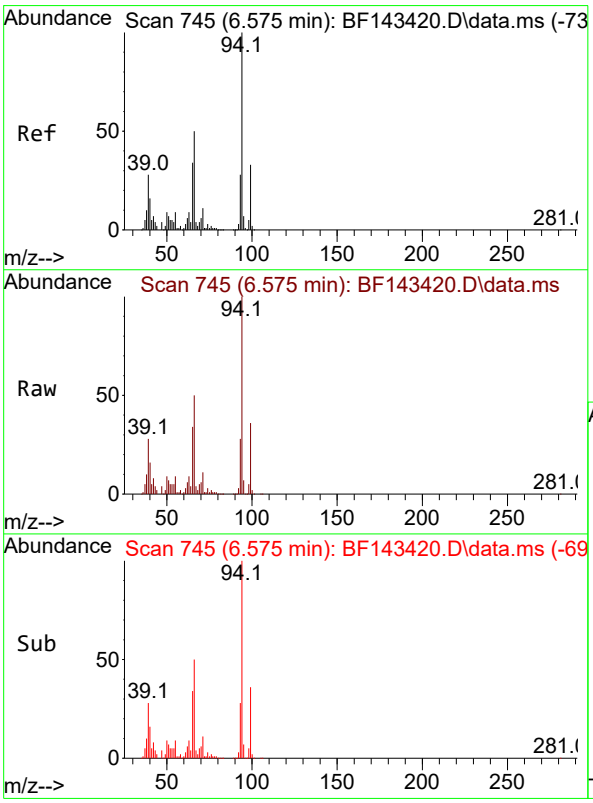
#9
Benzaldehyde
Concen: 38.074 ng
RT: 6.475 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 194204

Ion	Ratio	Lower	Upper
77	100		
105	95.5	75.5	115.5
106	92.0	72.0	112.0

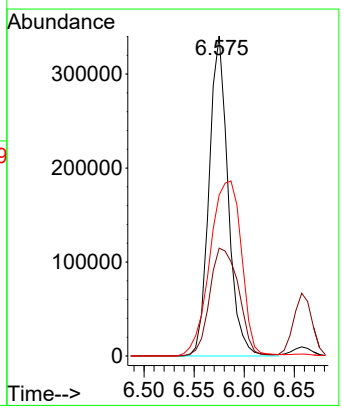


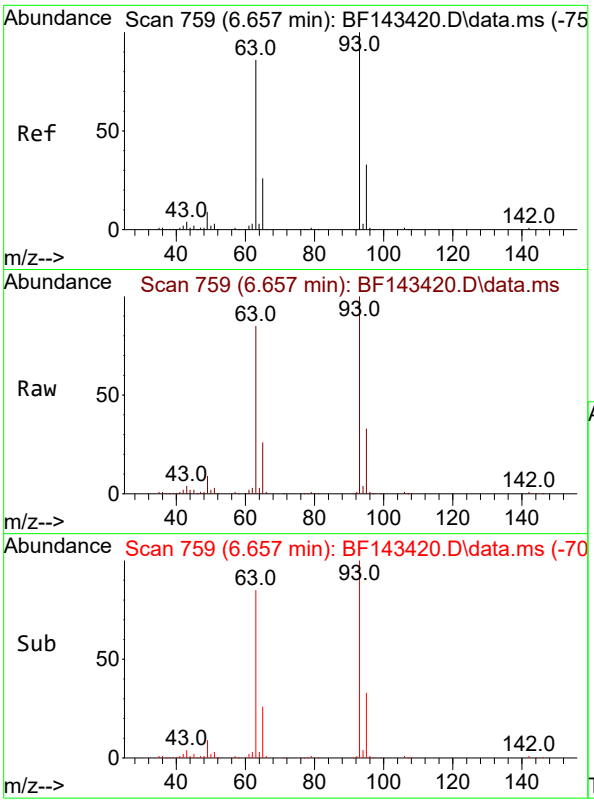


#10
Phenol
Concen: 40.134 ng
RT: 6.575 min Scan# 745
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion: 94 Resp: 449047

Ion	Ratio	Lower	Upper
94	100		
65	33.7	13.7	53.7
66	50.3	30.3	70.3



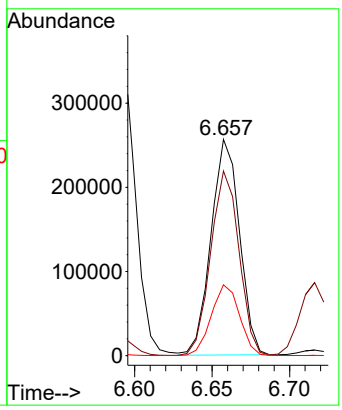


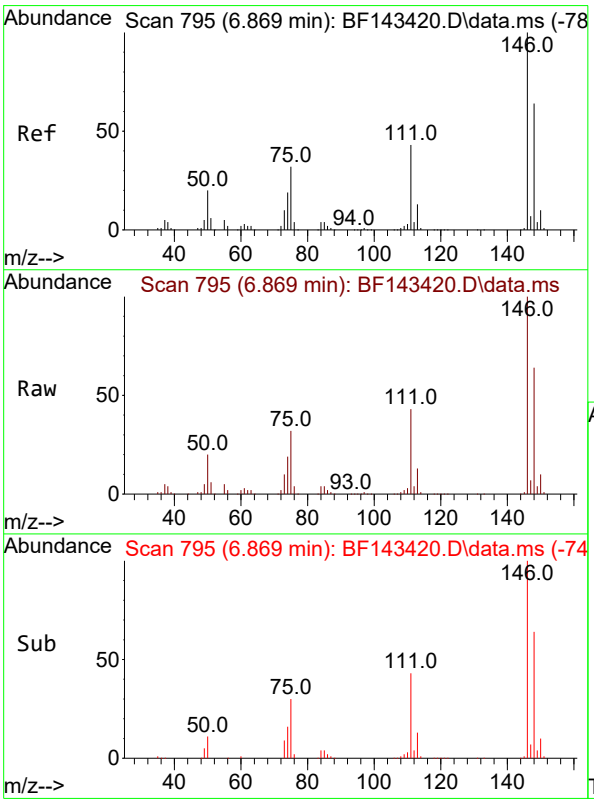
#11
bis(2-Chloroethyl)ether
Concen: 39.428 ng
RT: 6.657 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 327002

Ion	Ratio	Lower	Upper
93	100		
63	85.4	65.4	105.4
95	32.8	12.8	52.8

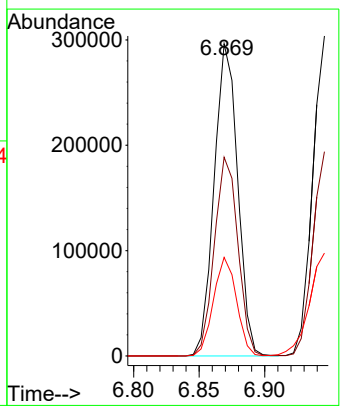


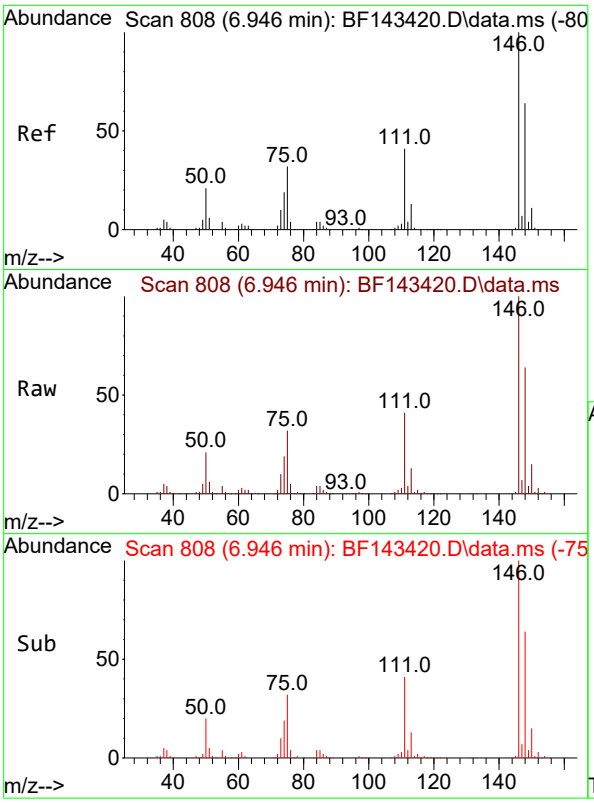


#12
1,3-Dichlorobenzene
Concen: 39.224 ng
RT: 6.869 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:146 Resp: 369069

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.4
75	31.6	25.3	37.9



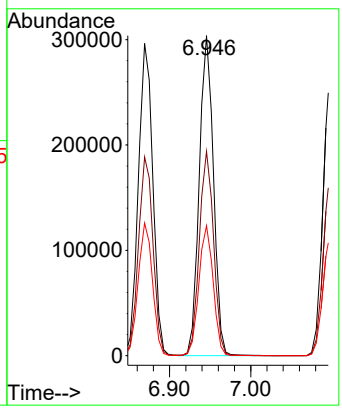


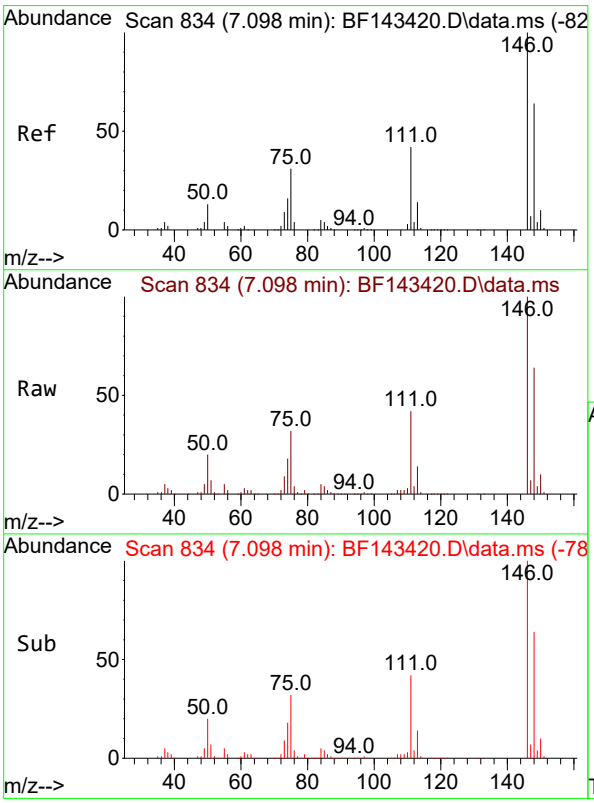
#13
1,4-Dichlorobenzene
Concen: 39.334 ng
RT: 6.946 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 369492

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.1	76.7
111	40.6	32.5	48.7

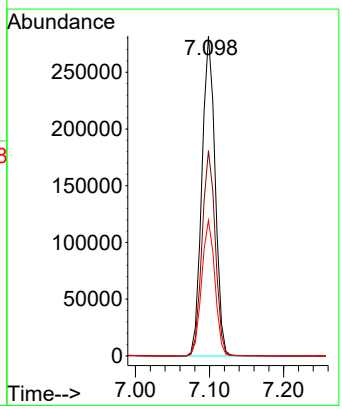


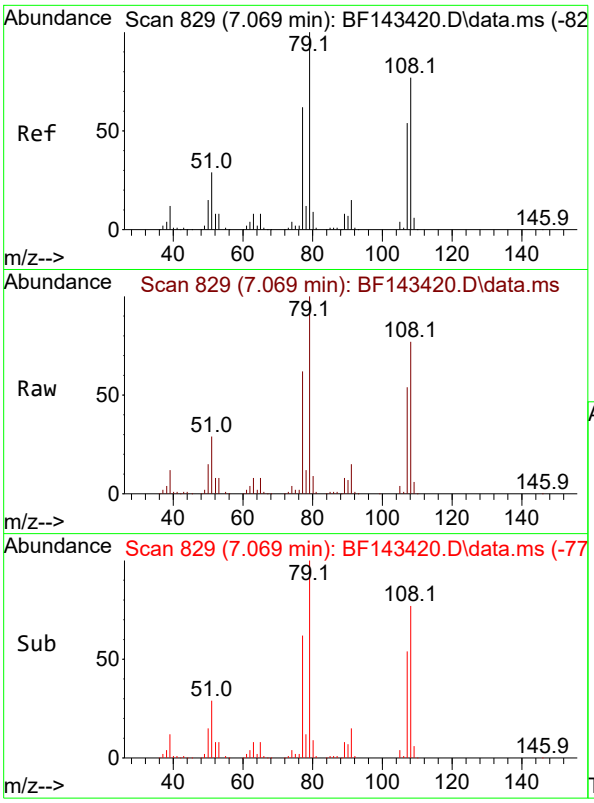


#14
1,2-Dichlorobenzene
Concen: 39.068 ng
RT: 7.098 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:146 Resp: 350532

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.4	77.0
111	42.4	33.9	50.9



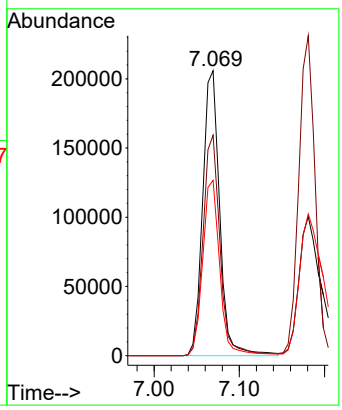


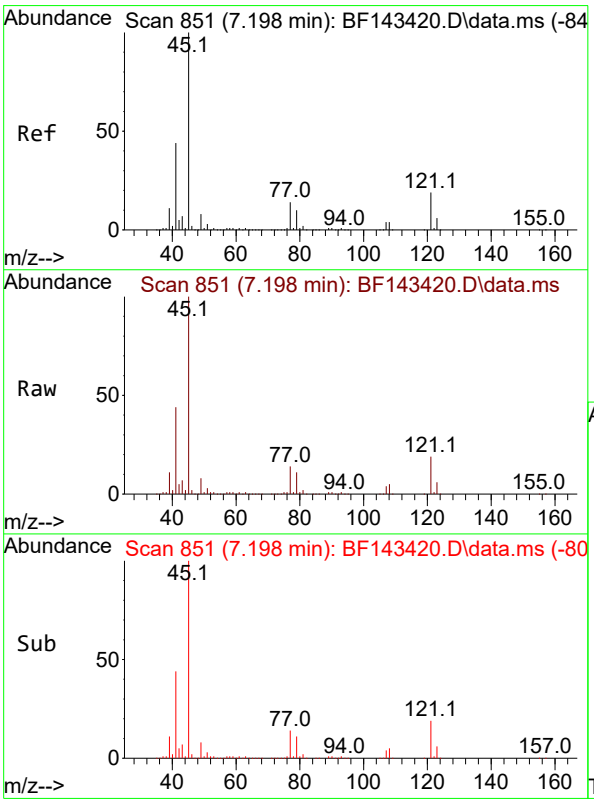
#15
Benzyl Alcohol
Concen: 40.372 ng
RT: 7.069 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 285470

Ion	Ratio	Lower	Upper
79	100		
108	77.4	61.9	92.9
77	61.5	49.2	73.8

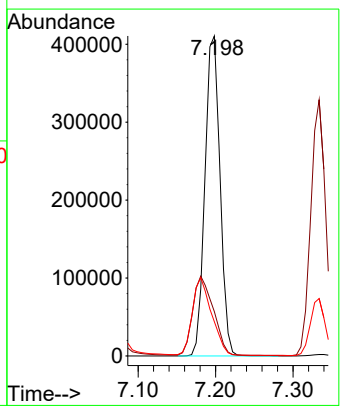


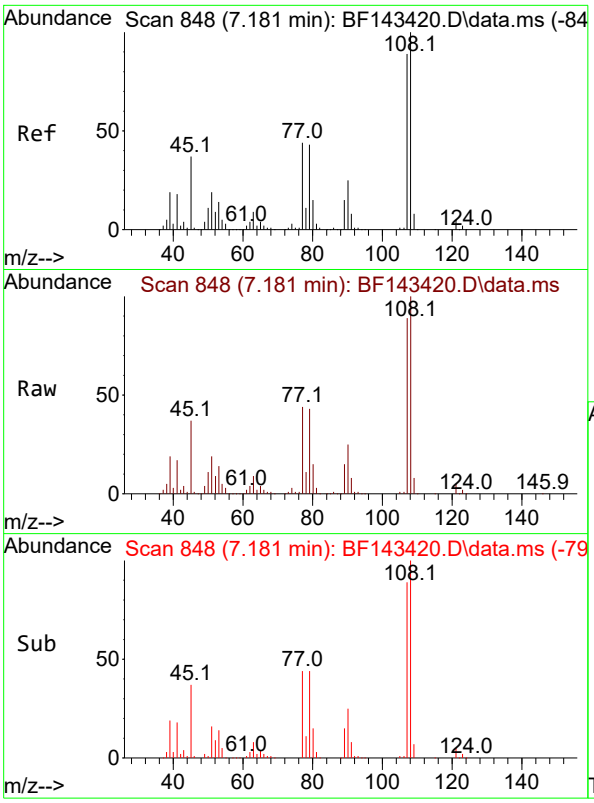


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.105 ng
RT: 7.198 min Scan# 851
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion: 45 Resp: 554459

Ion	Ratio	Lower	Upper
45	100		
77	13.9	0.0	33.9
79	10.7	0.0	30.7



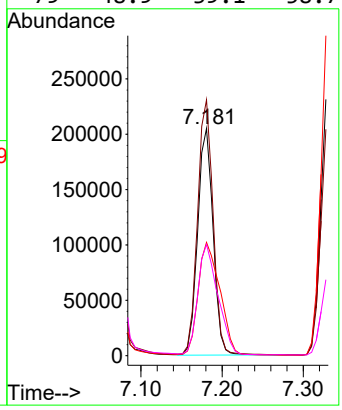


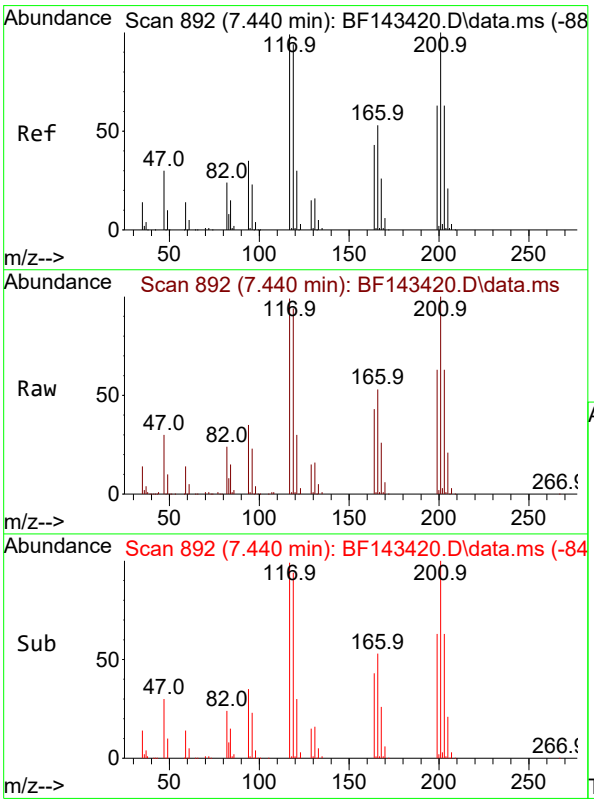
#17
2-Methylphenol
Concen: 39.543 ng
RT: 7.181 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 271001

Ion	Ratio	Lower	Upper
107	100		
108	112.6	90.1	135.1
77	49.9	39.9	59.9
79	48.9	39.1	58.7

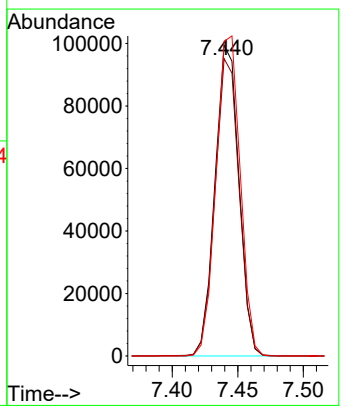


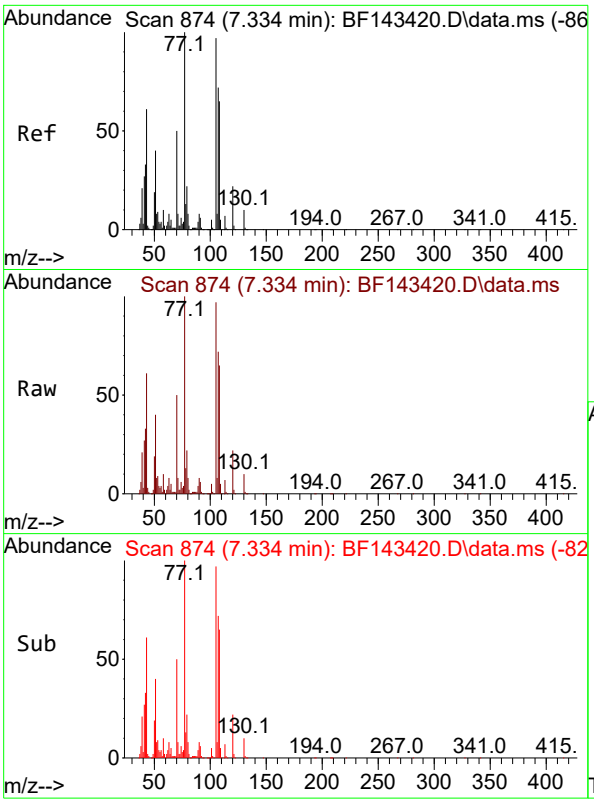


#18
Hexachloroethane
Concen: 39.521 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:117 Resp: 126367

Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.6	114.8
201	101.2	81.0	121.4



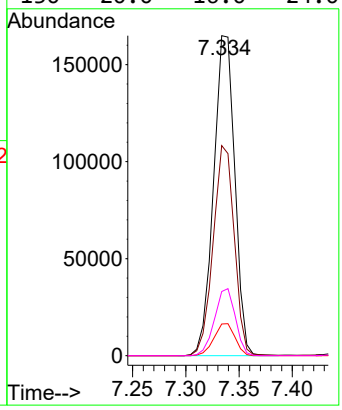


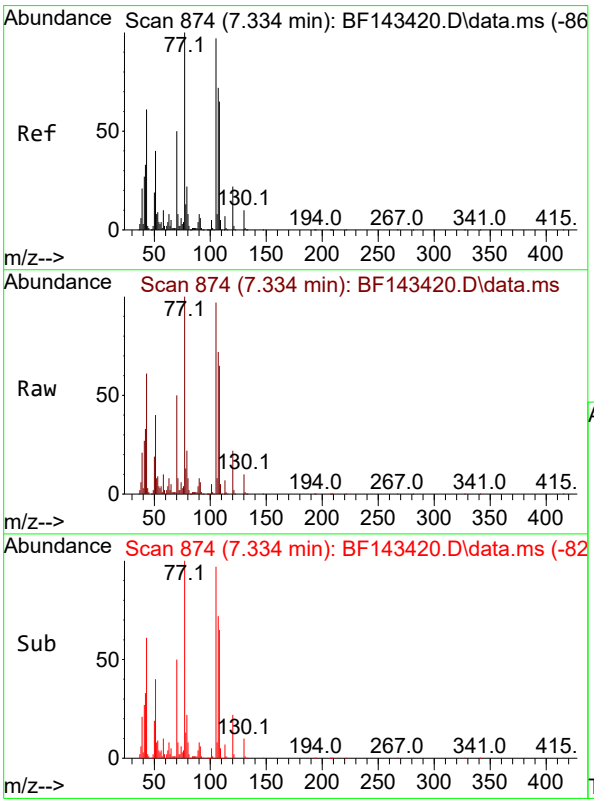
#19
n-Nitroso-di-n-propylamine
Concen: 38.472 ng
RT: 7.334 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 228365

Ion	Ratio	Lower	Upper
70	100		
42	65.6	52.5	78.7
101	9.9	7.9	11.9
130	20.0	16.0	24.0

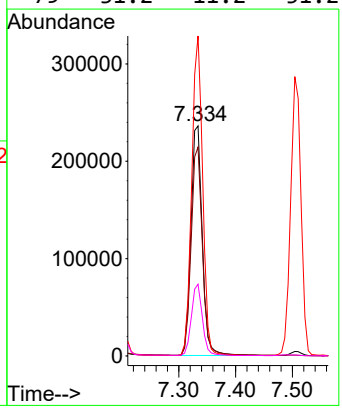


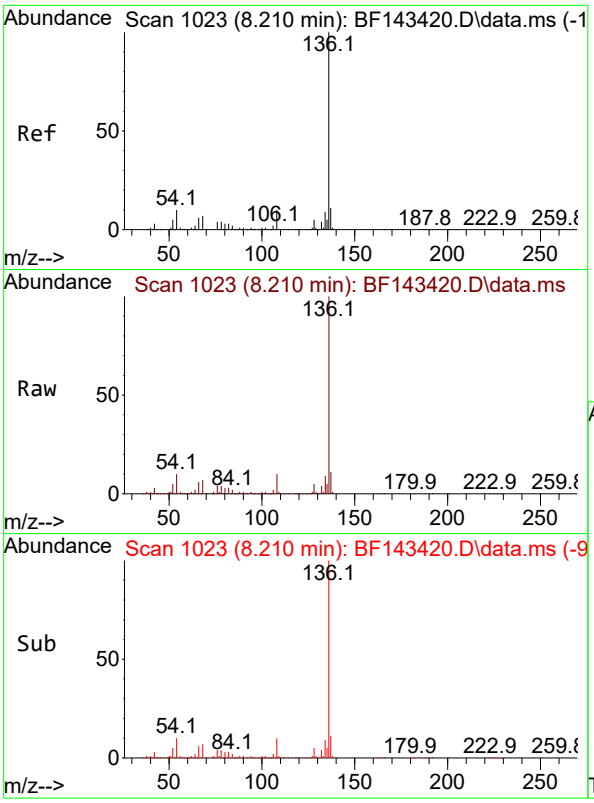


#20
3+4-Methylphenols
Concen: 40.072 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:107 Resp: 328370

Ion	Ratio	Lower	Upper
107	100		
108	90.8	70.8	110.8
77	139.1	119.1	159.1
79	31.2	11.2	51.2



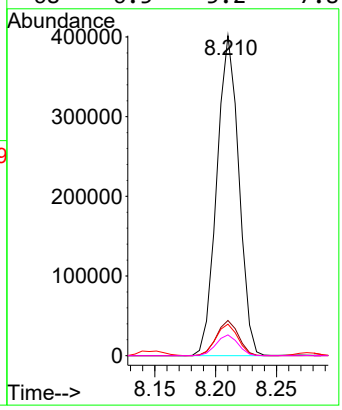


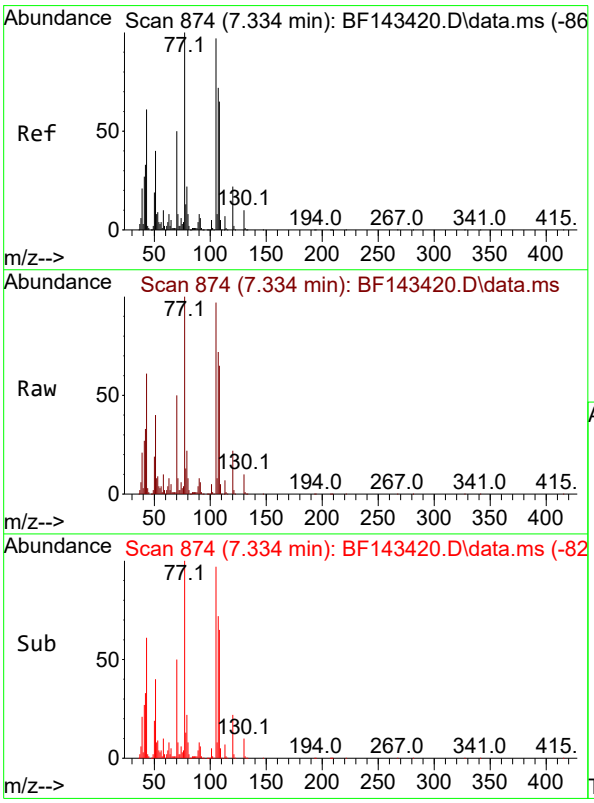
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 505729

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	9.8	7.8	11.8
68	6.5	5.2	7.8

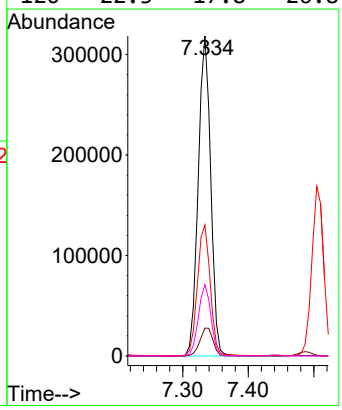


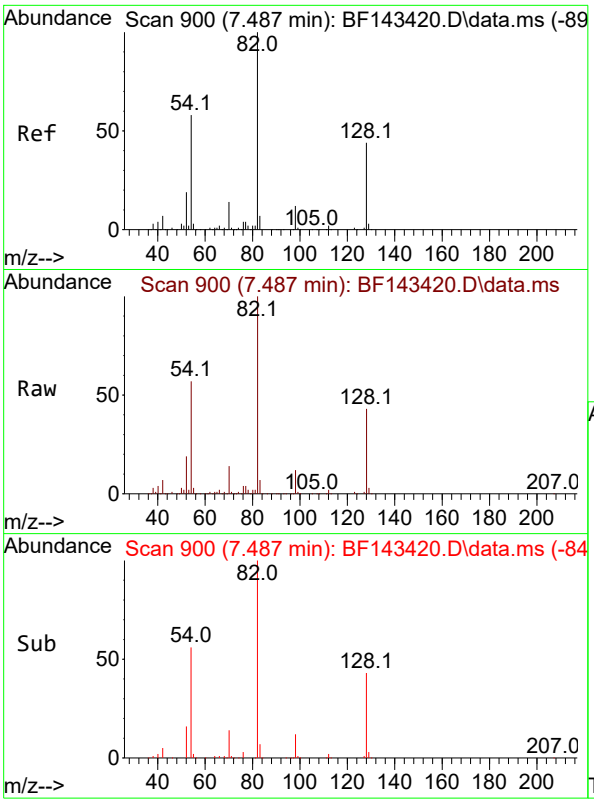


#22
Acetophenone
Concen: 38.931 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:105 Resp: 423320

Ion	Ratio	Lower	Upper
105	100		
71	8.7	7.0	10.4
51	40.9	32.7	49.1
120	22.3	17.8	26.8



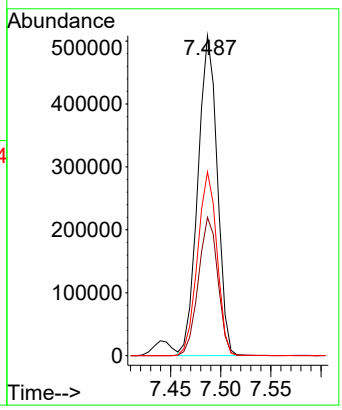


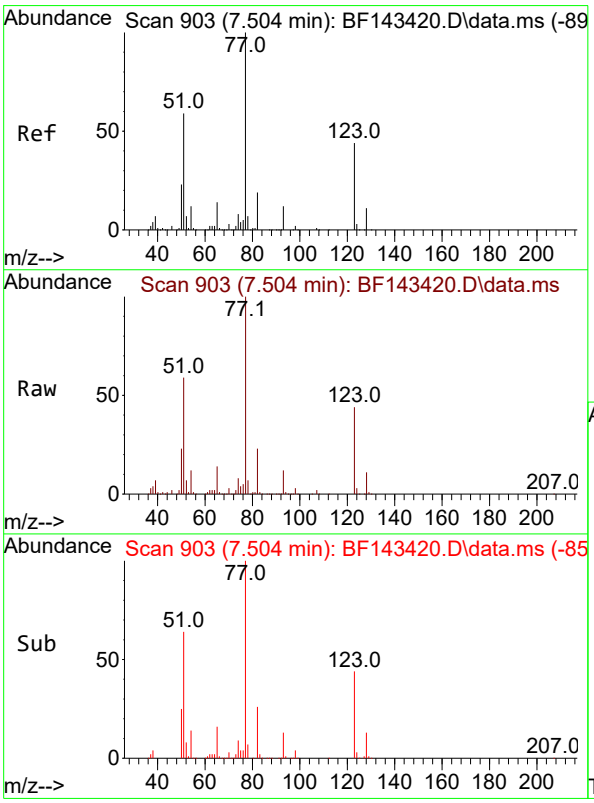
#23
Nitrobenzene-d5
Concen: 80.398 ng
RT: 7.487 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 685209

Ion	Ratio	Lower	Upper
82	100		
128	43.3	34.6	52.0
54	57.5	46.0	69.0

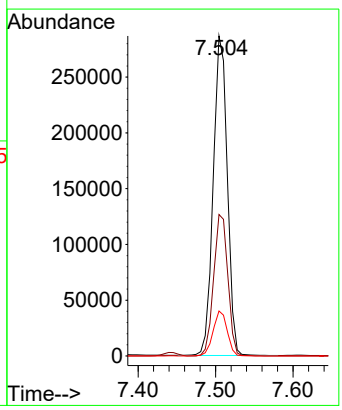


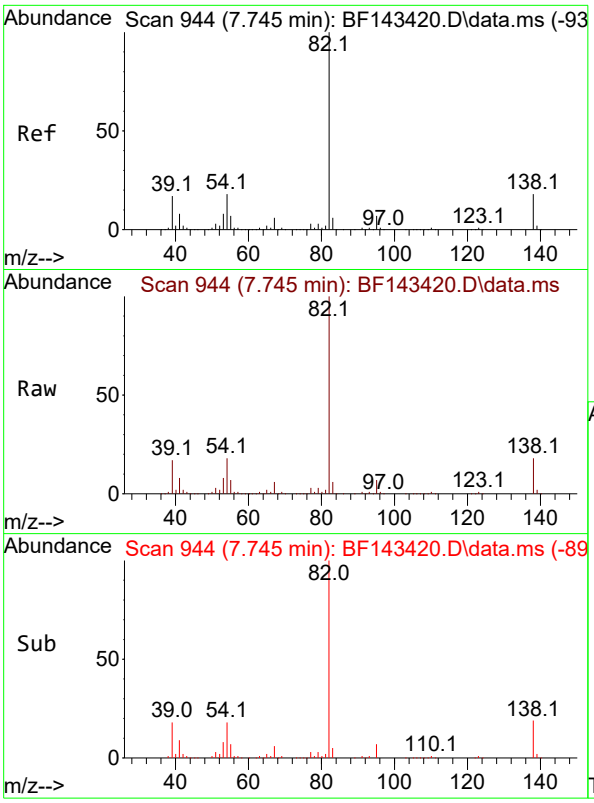


#24
Nitrobenzene
Concen: 40.556 ng
RT: 7.504 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion: 77 Resp: 361256

Ion	Ratio	Lower	Upper
77	100		
123	44.2	35.4	53.0
65	14.0	11.2	16.8



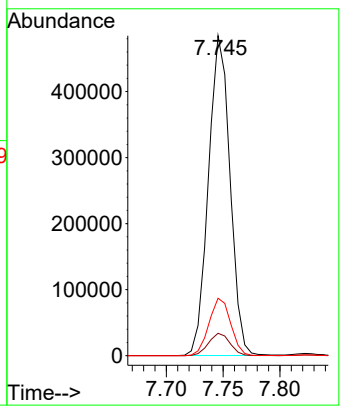


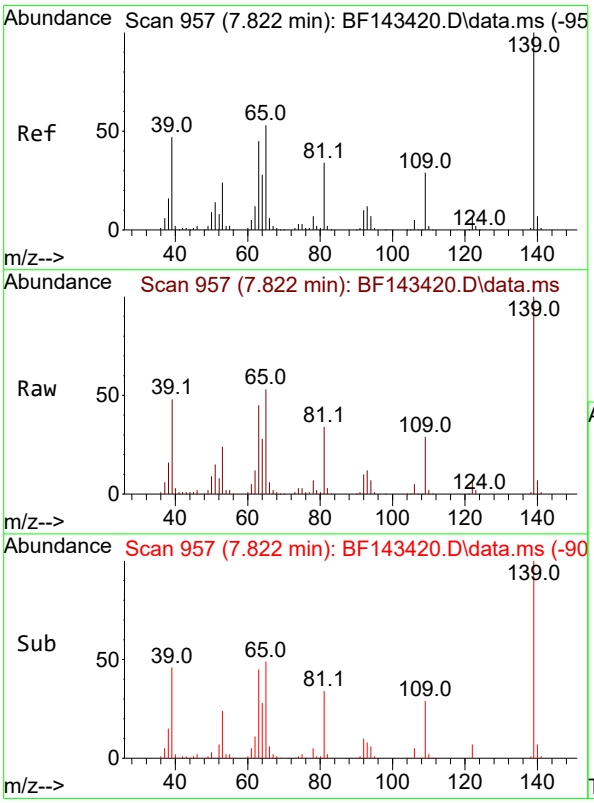
#25
Isophorone
Concen: 39.312 ng
RT: 7.745 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 641248

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.6	8.4
138	17.9	14.3	21.5

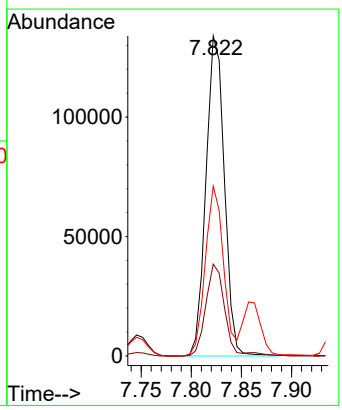


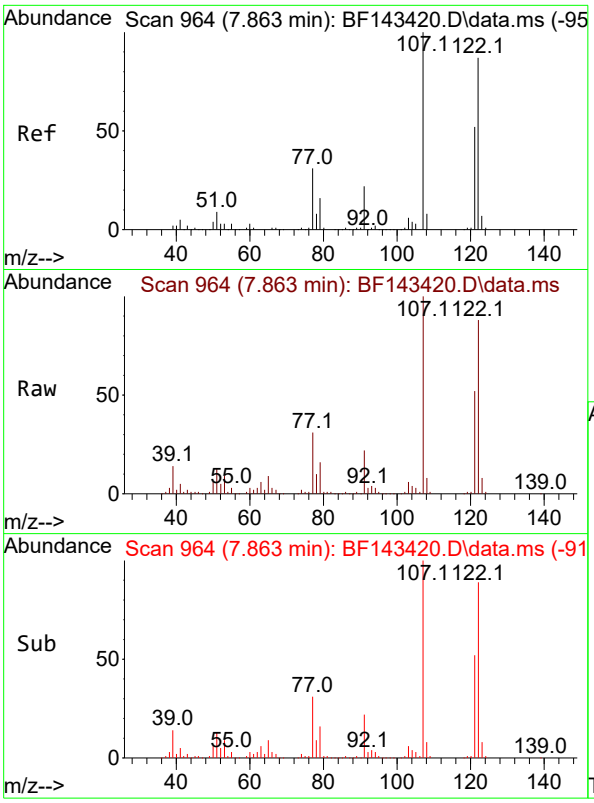


#26
2-Nitrophenol
Concen: 41.530 ng
RT: 7.822 min Scan# 957
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:139 Resp: 171491

Ion	Ratio	Lower	Upper
139	100		
109	28.7	23.0	34.4
65	53.1	42.5	63.7



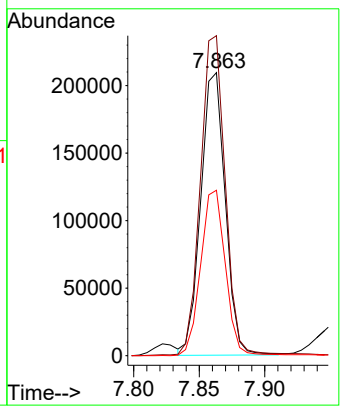


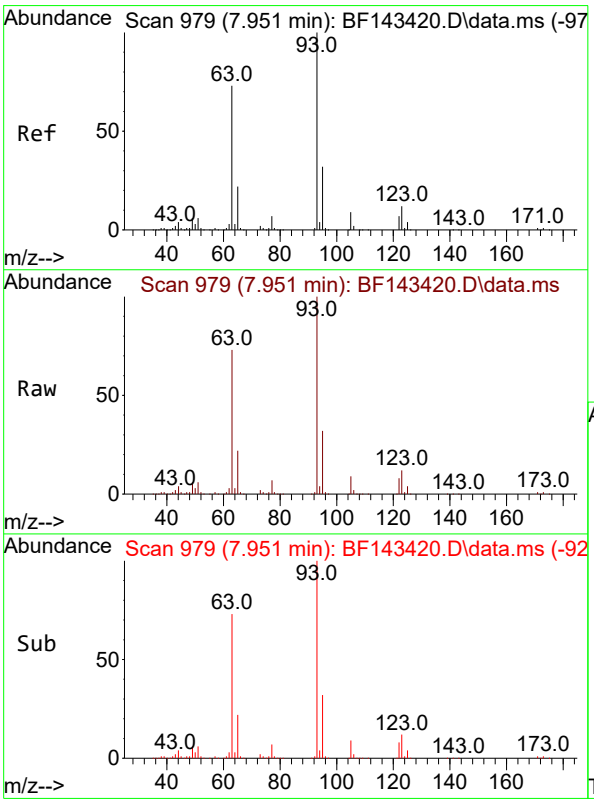
#27
2,4-Dimethylphenol
Concen: 39.043 ng
RT: 7.863 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 272589

Ion	Ratio	Lower	Upper
122	100		
107	113.0	90.4	135.6
121	58.4	46.7	70.1

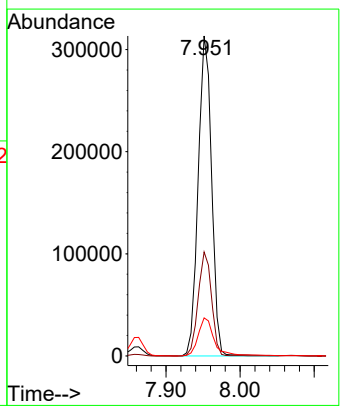


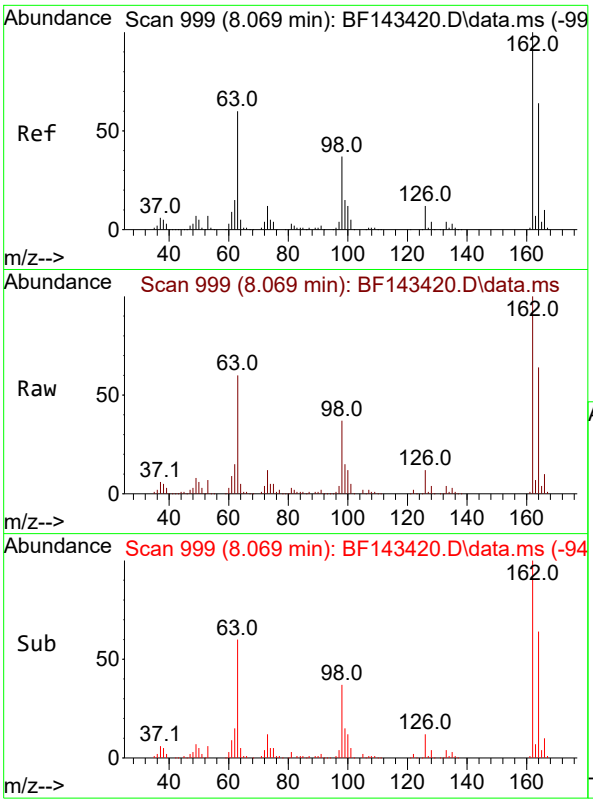


#28
bis(2-Chloroethoxy)methane
Concen: 39.324 ng
RT: 7.951 min Scan# 979
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion: 93 Resp: 394269

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.0	39.0
123	11.9	9.5	14.3



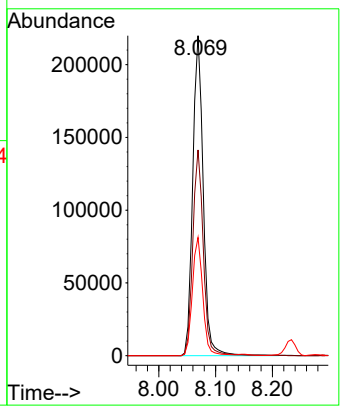


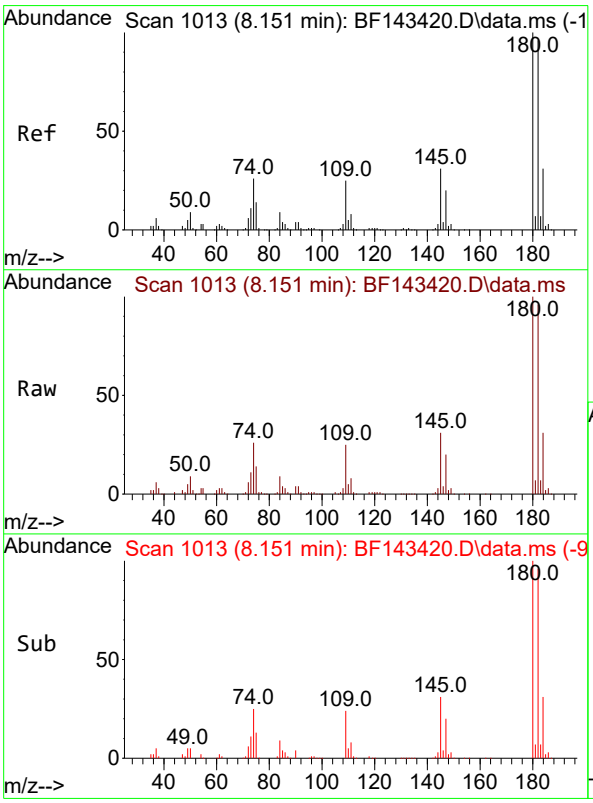
#29
2,4-Dichlorophenol
Concen: 39.990 ng
RT: 8.069 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 284618

Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.3	84.3
98	36.9	16.9	56.9

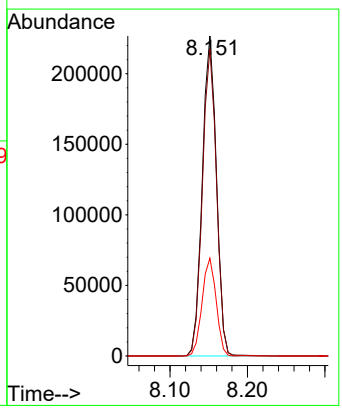


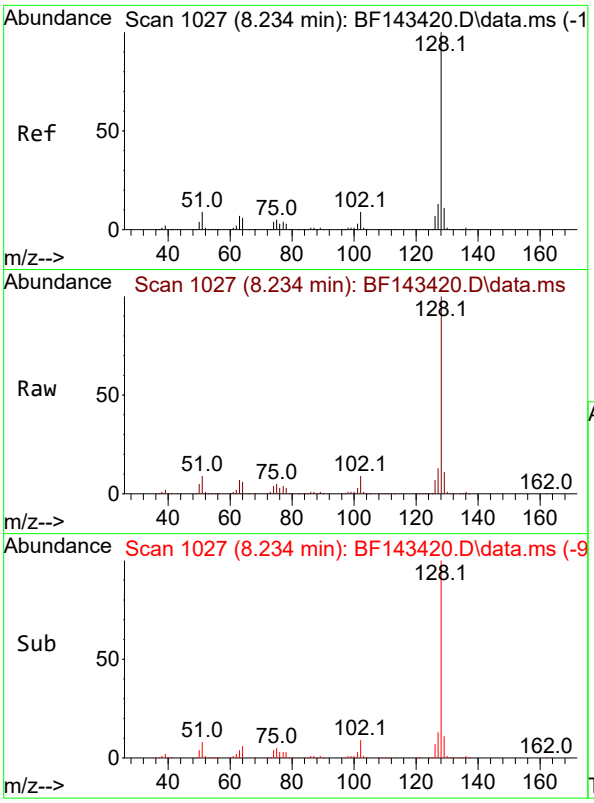


#30
1,2,4-Trichlorobenzene
Concen: 39.312 ng
RT: 8.151 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:180 Resp: 286685

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.7	115.1
145	30.6	24.5	36.7



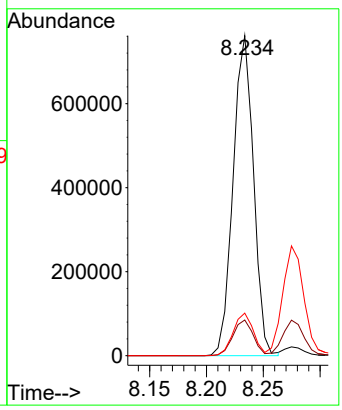


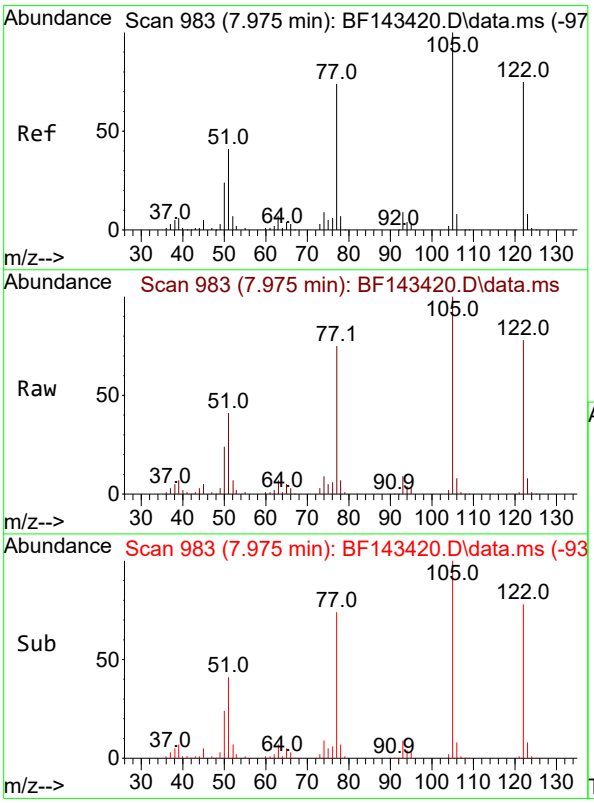
#31
Naphthalene
Concen: 39.623 ng
RT: 8.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 951330

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.3	10.6	16.0

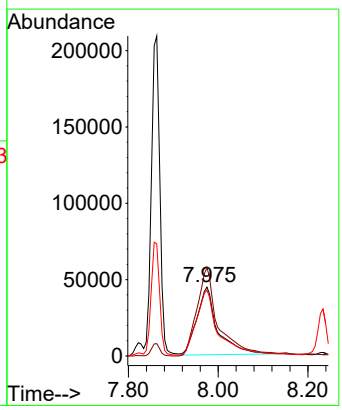


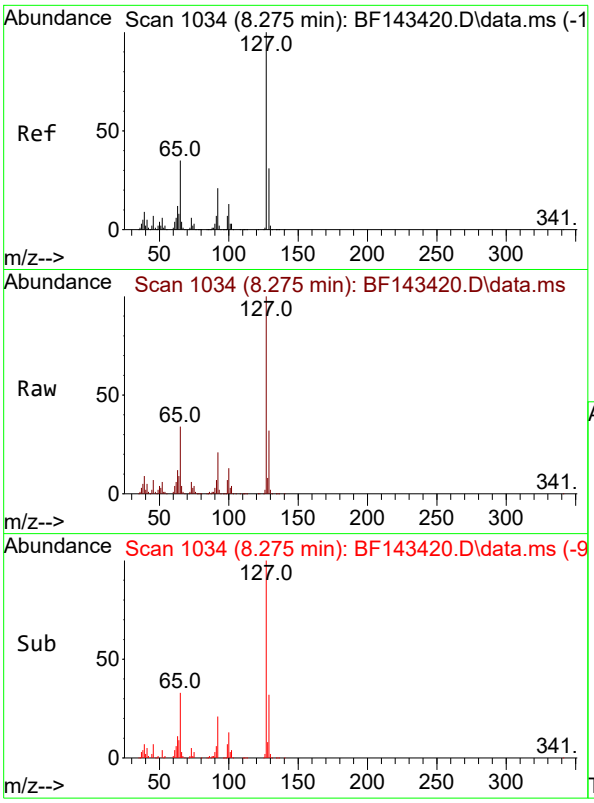


#32
Benzoic acid
Concen: 39.956 ng
RT: 7.975 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:122 Resp: 144395

Ion	Ratio	Lower	Upper
122	100		
105	128.4	108.4	148.4
77	95.9	75.9	115.9



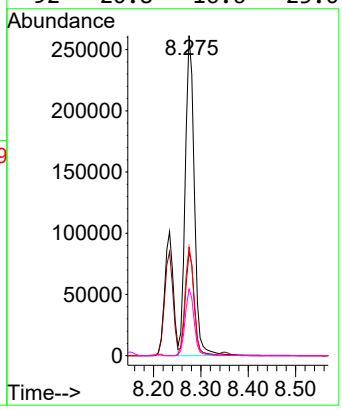


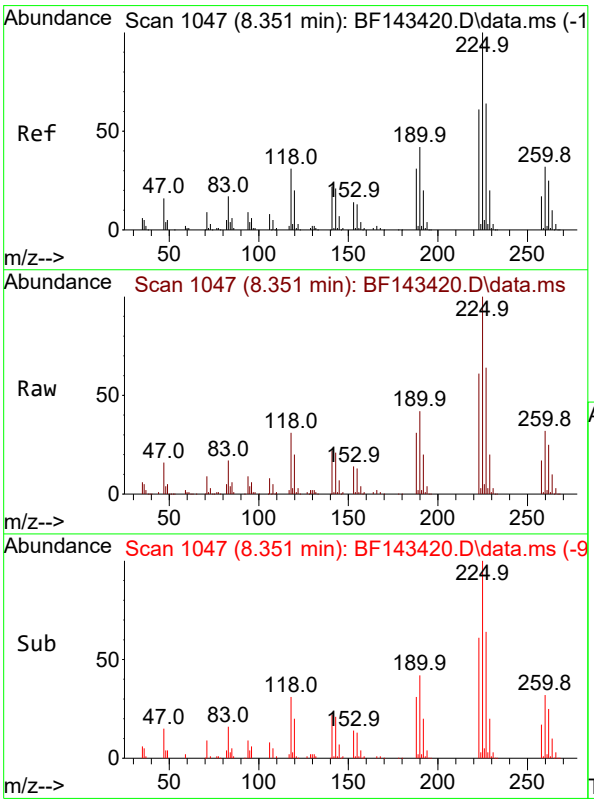
#33
4-Chloroaniline
Concen: 40.155 ng
RT: 8.275 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 348006

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.8	38.8
65	34.0	27.2	40.8
92	20.8	16.6	25.0

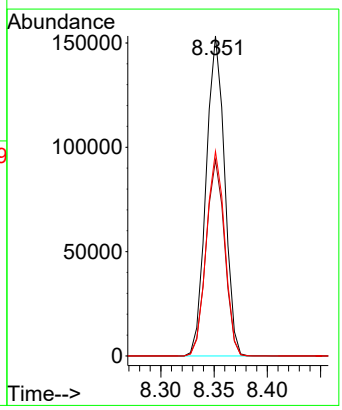


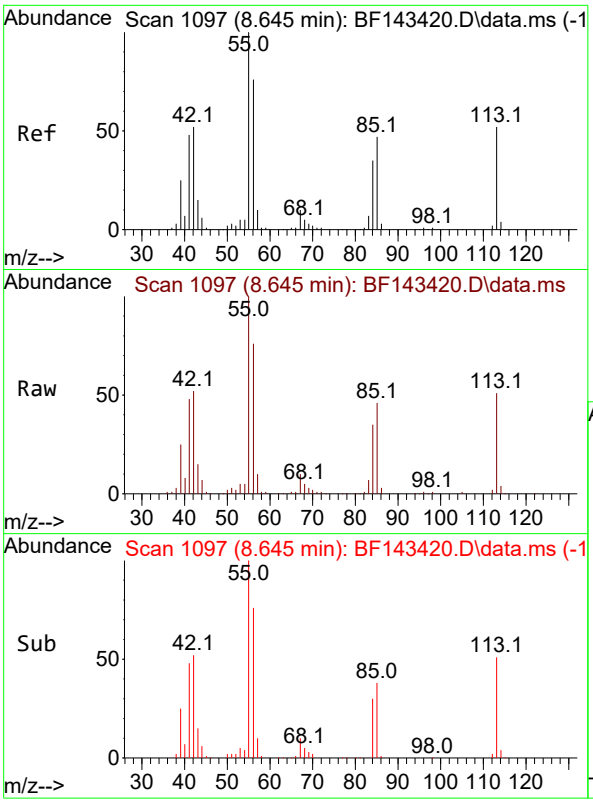


#34
Hexachlorobutadiene
Concen: 39.924 ng
RT: 8.351 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:225 Resp: 185656

Ion	Ratio	Lower	Upper
225	100		
223	61.3	49.0	73.6
227	63.9	51.1	76.7



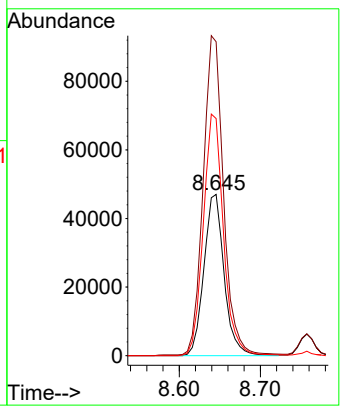


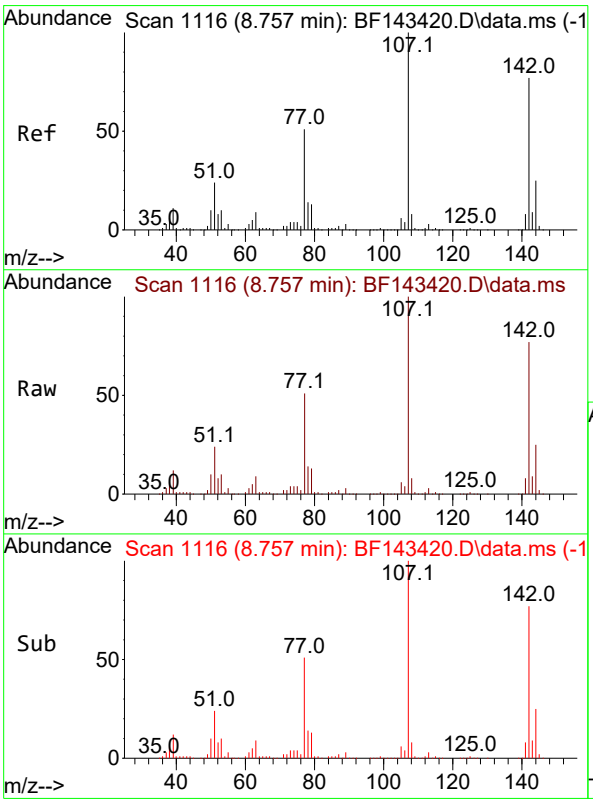
#35
Caprolactam
Concen: 39.584 ng
RT: 8.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 81112

Ion	Ratio	Lower	Upper
113	100		
55	194.7	174.7	214.7
56	147.0	127.0	167.0

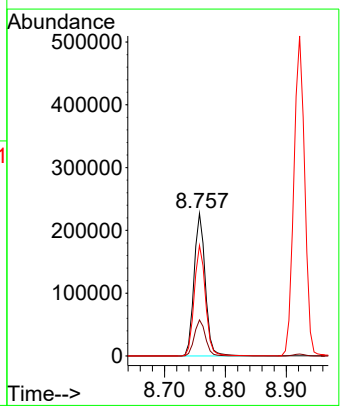


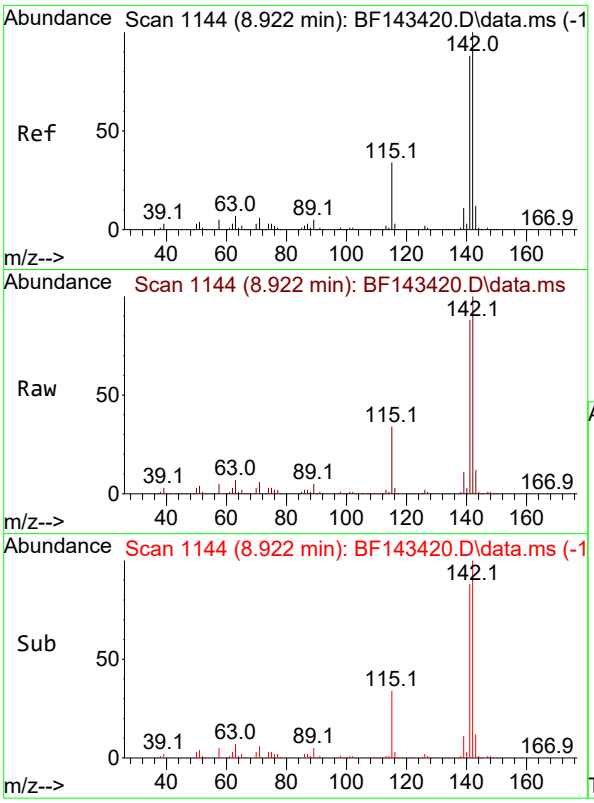


#36
4-Chloro-3-methylphenol
Concen: 39.809 ng
RT: 8.757 min Scan# 1116
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:107 Resp: 291801

Ion	Ratio	Lower	Upper
107	100		
144	25.2	20.2	30.2
142	77.5	62.0	93.0



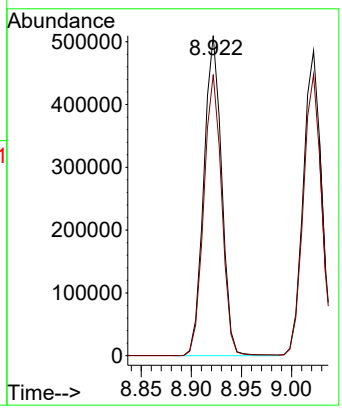


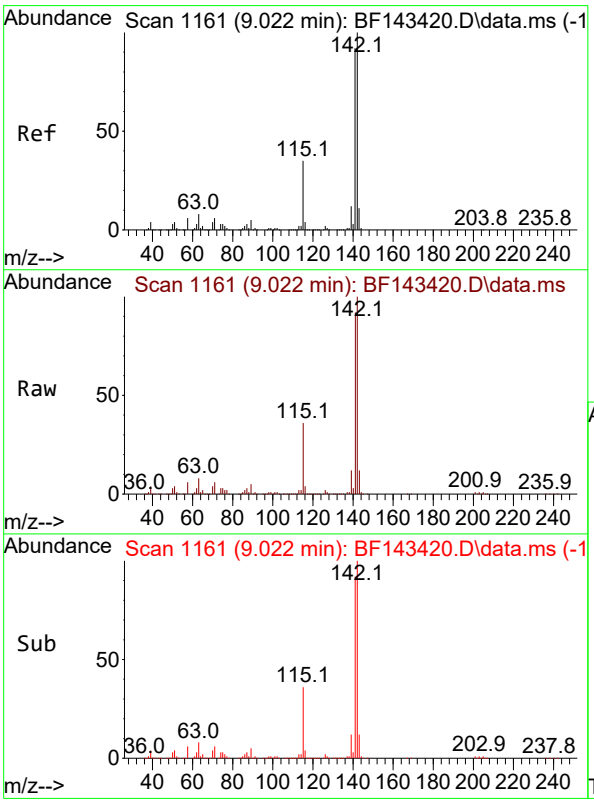
#37
2-Methylnaphthalene
Concen: 39.038 ng
RT: 8.922 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 631789

Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.3	105.5

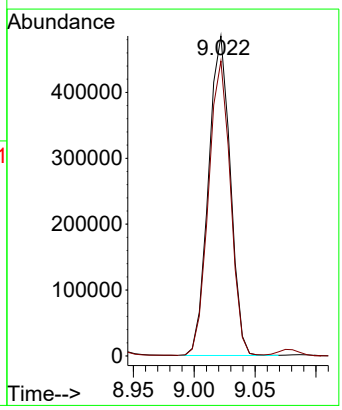


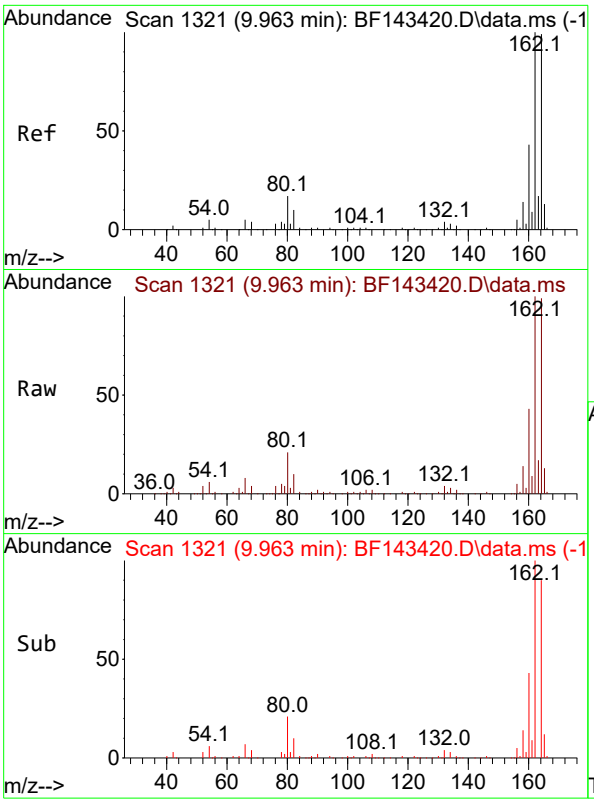


#38
1-Methylnaphthalene
Concen: 38.959 ng
RT: 9.022 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:142 Resp: 604084

Ion	Ratio	Lower	Upper
142	100		
141	92.2	73.8	110.6



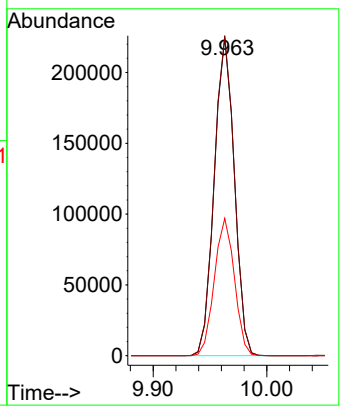


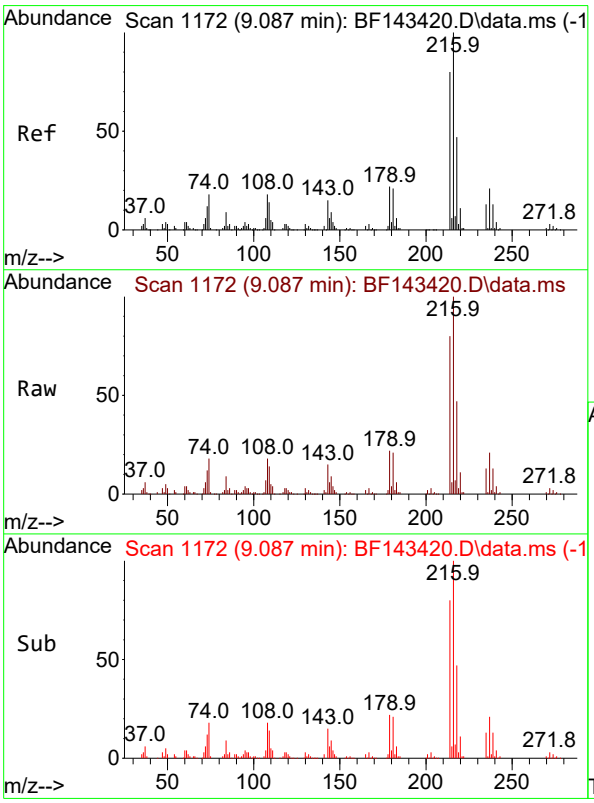
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 275083

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	121.0
160	43.2	34.6	51.8

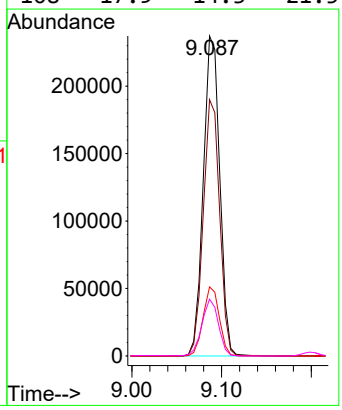


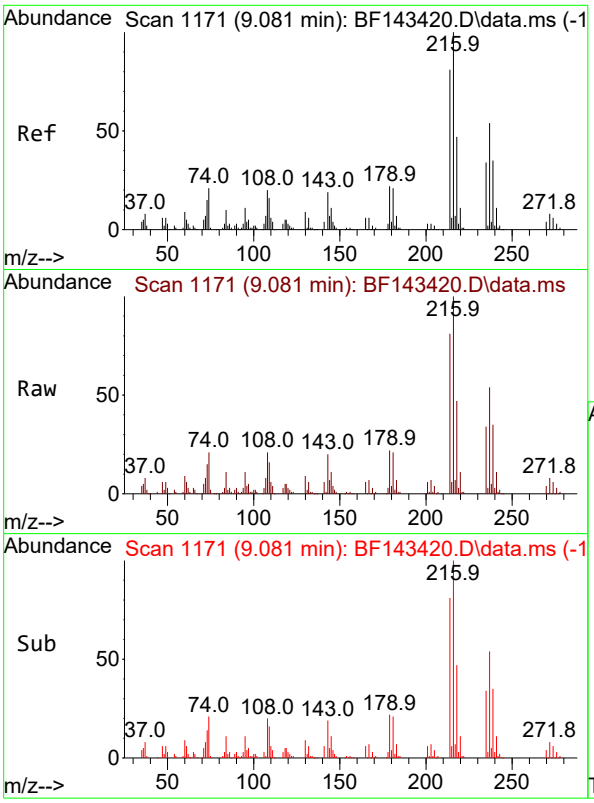


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.357 ng
RT: 9.087 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:216 Resp: 301932

Ion	Ratio	Lower	Upper
216	100		
214	79.6	63.7	95.5
179	21.2	17.0	25.4
108	17.9	14.3	21.5



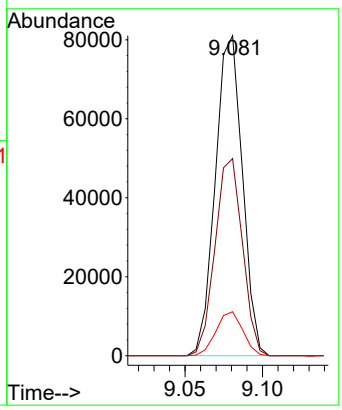


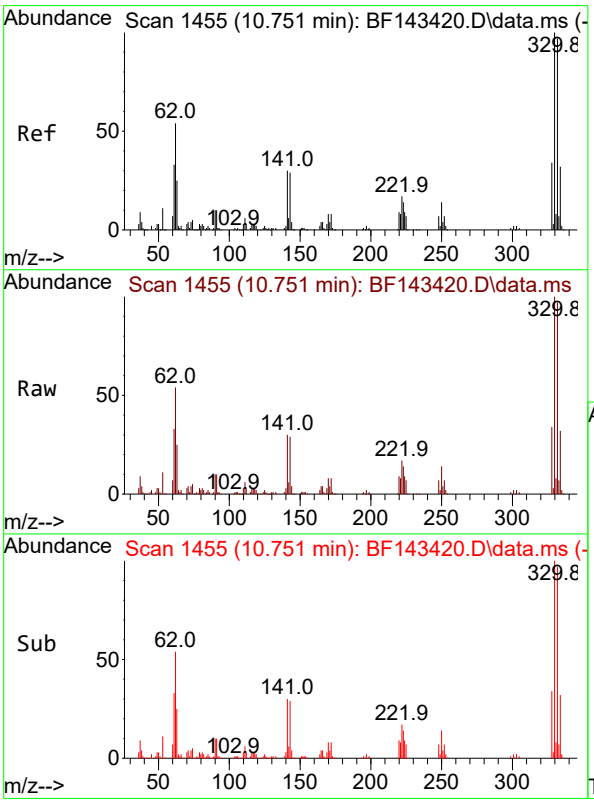
#41
Hexachlorocyclopentadiene
Concen: 38.885 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 98458

Ion	Ratio	Lower	Upper
237	100		
235	61.6	41.6	81.6
272	13.8	0.0	33.8

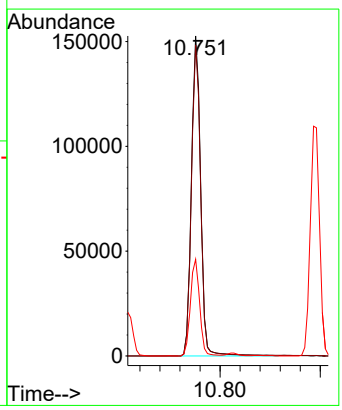


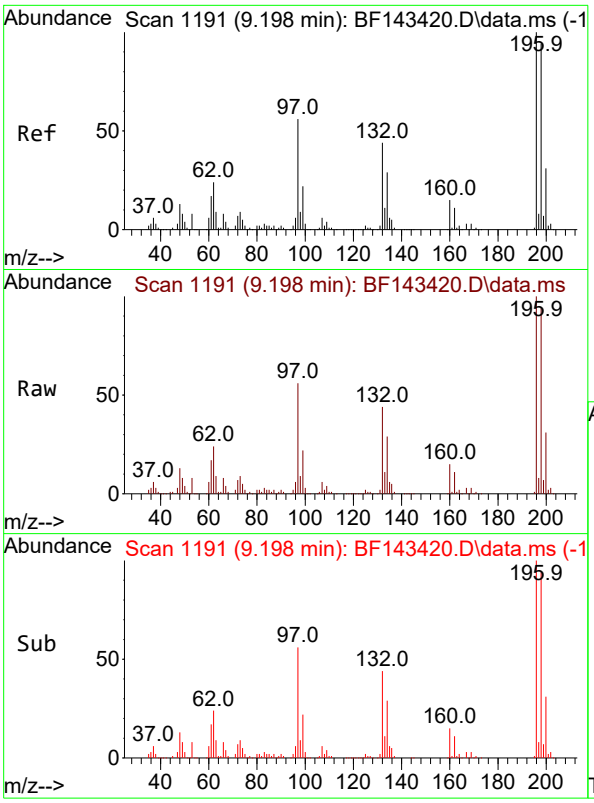


#42
2,4,6-Tribromophenol
Concen: 79.524 ng
RT: 10.751 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:330 Resp: 194710

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.4	116.2
141	30.1	24.1	36.1



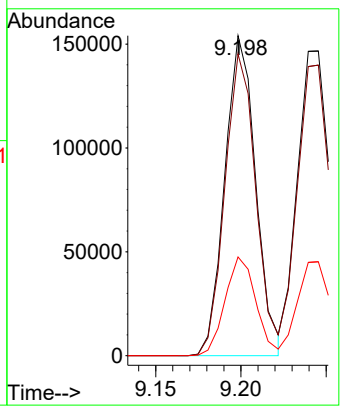


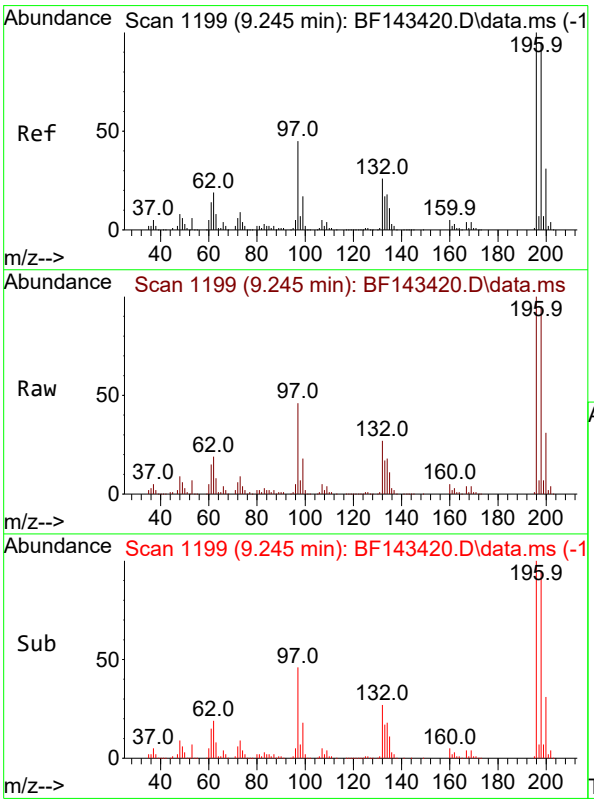
#43
2,4,6-Trichlorophenol
Concen: 40.635 ng
RT: 9.198 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 194463

Ion	Ratio	Lower	Upper
196	100		
198	94.3	75.4	113.2
200	30.9	24.7	37.1

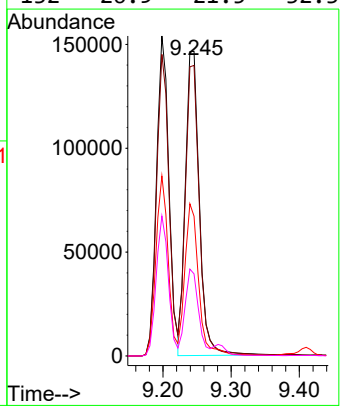


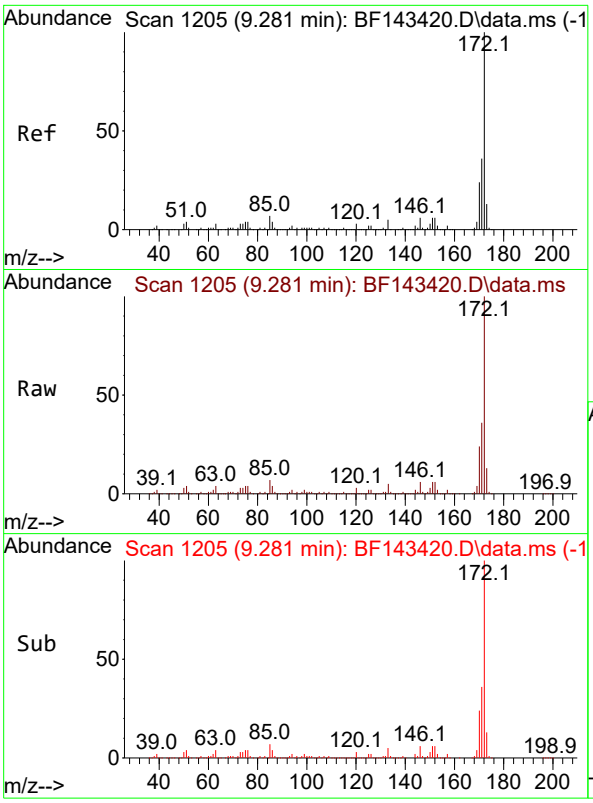


#44
2,4,5-Trichlorophenol
Concen: 40.546 ng
RT: 9.245 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:196 Resp: 207994

Ion	Ratio	Lower	Upper
196	100		
198	95.3	76.2	114.4
97	45.8	36.6	55.0
132	26.9	21.5	32.3



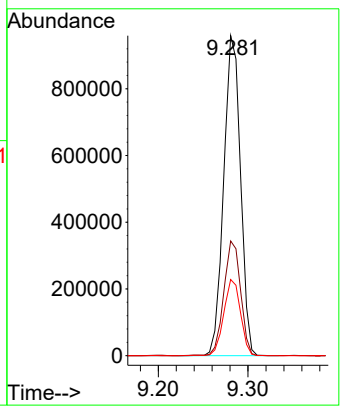


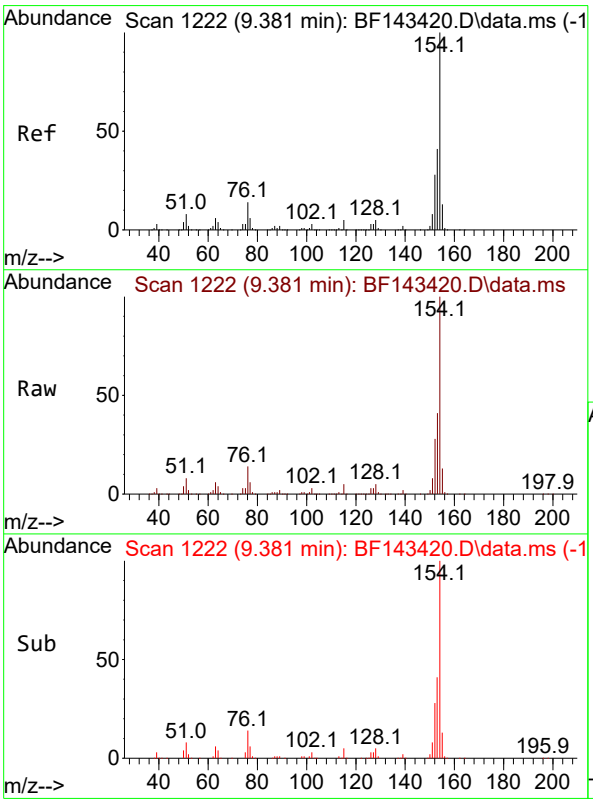
#45
2-Fluorobiphenyl
Concen: 76.137 ng
RT: 9.281 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 1245188

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.7	43.1
170	23.8	19.0	28.6

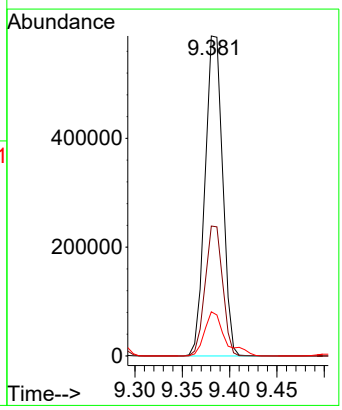


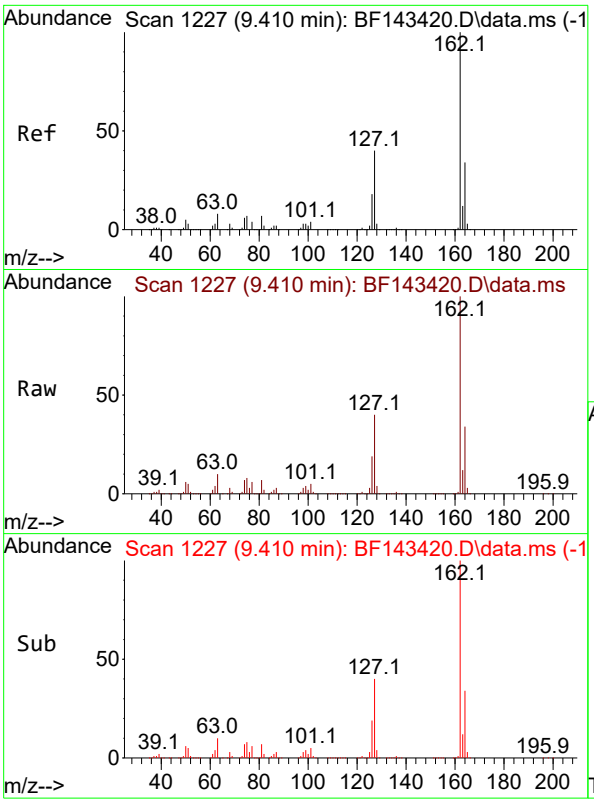


#46
1,1'-Biphenyl
Concen: 39.133 ng
RT: 9.381 min Scan# 1222
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:154 Resp: 756357

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.6	60.6
76	13.8	0.0	33.8



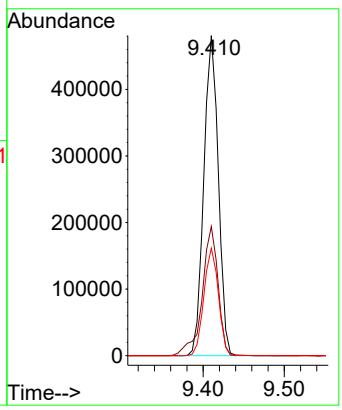


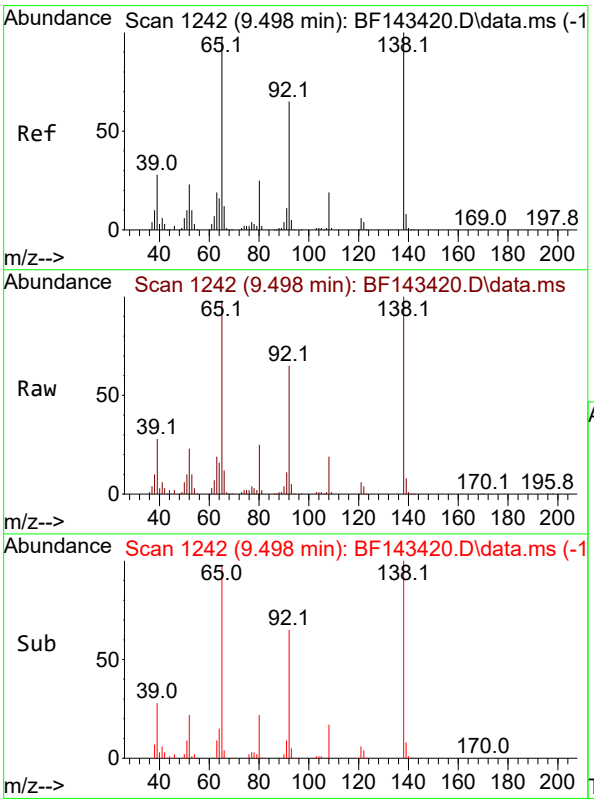
#47
2-Chloronaphthalene
Concen: 39.044 ng
RT: 9.410 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 595680

Ion	Ratio	Lower	Upper
162	100		
127	40.4	32.3	48.5
164	33.6	26.9	40.3

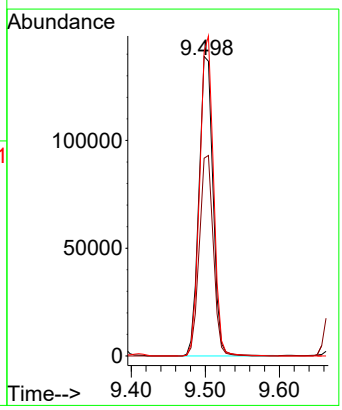


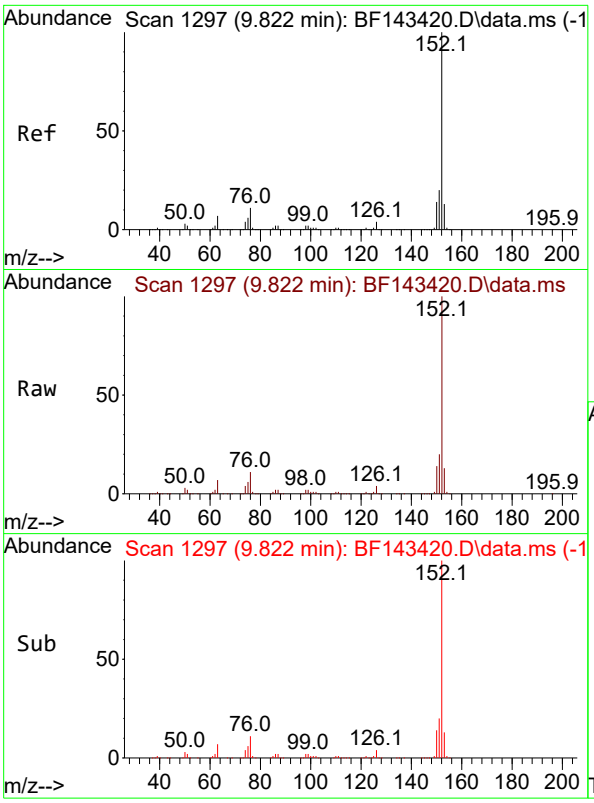


#48
2-Nitroaniline
Concen: 40.666 ng
RT: 9.498 min Scan# 1242
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion: 65 Resp: 184632

Ion	Ratio	Lower	Upper
65	100		
92	66.1	52.9	79.3
138	101.6	81.3	121.9



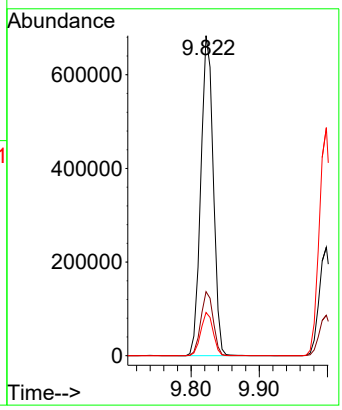


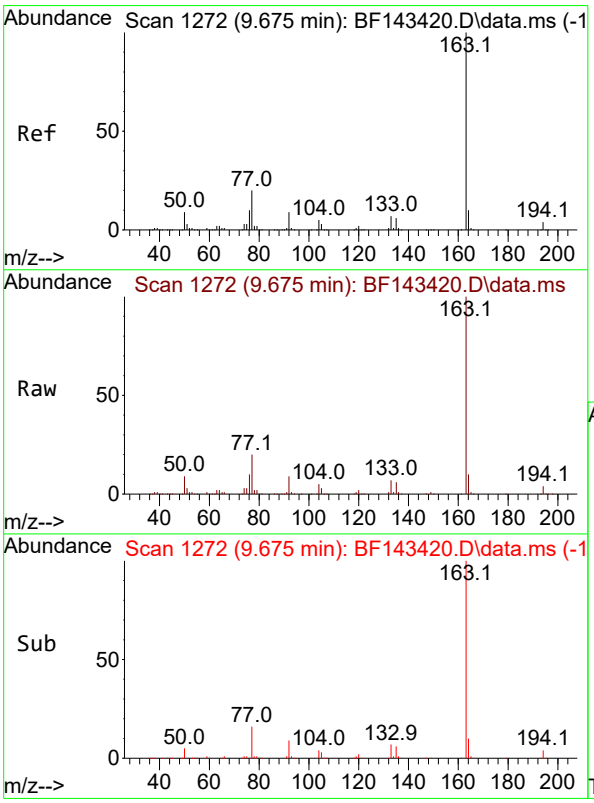
#49
Acenaphthylene
Concen: 39.280 ng
RT: 9.822 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 865258

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.5	10.8	16.2

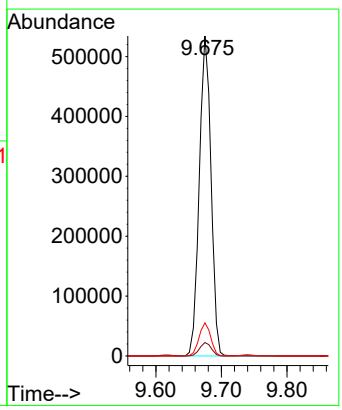


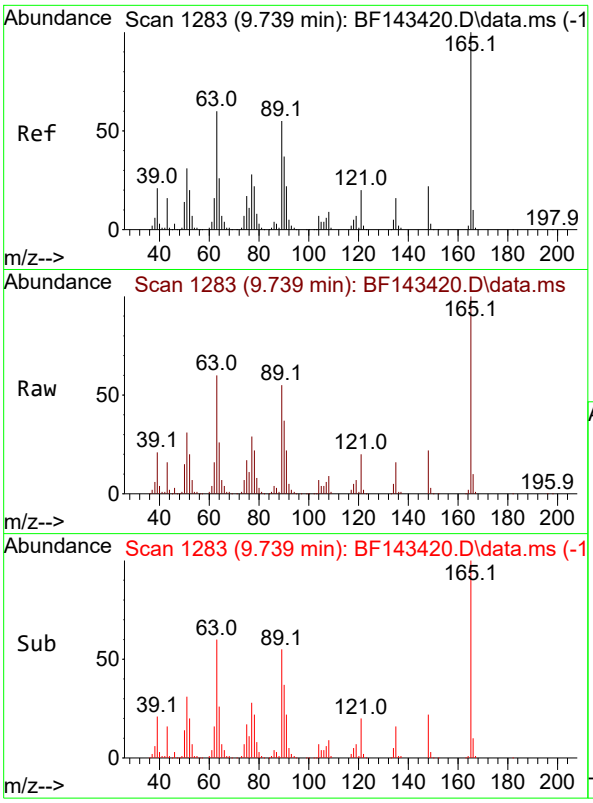


#50
Dimethylphthalate
Concen: 38.811 ng
RT: 9.675 min Scan# 1272
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:163 Resp: 665610

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.3	8.2	12.4



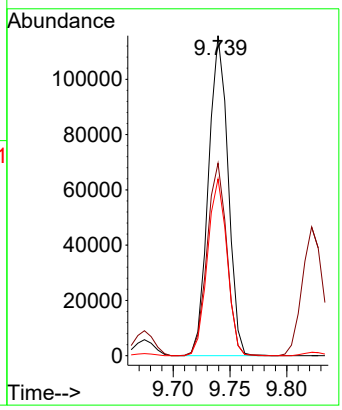


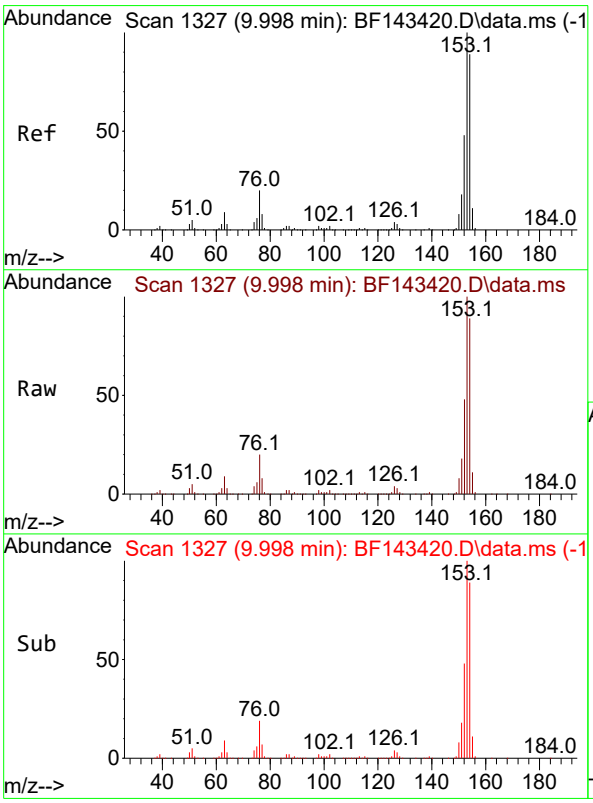
#51
2,6-Dinitrotoluene
Concen: 41.024 ng
RT: 9.739 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 138694

Ion	Ratio	Lower	Upper
165	100		
63	60.2	48.2	72.2
89	55.2	44.2	66.2

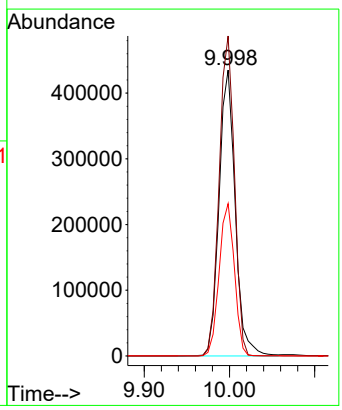


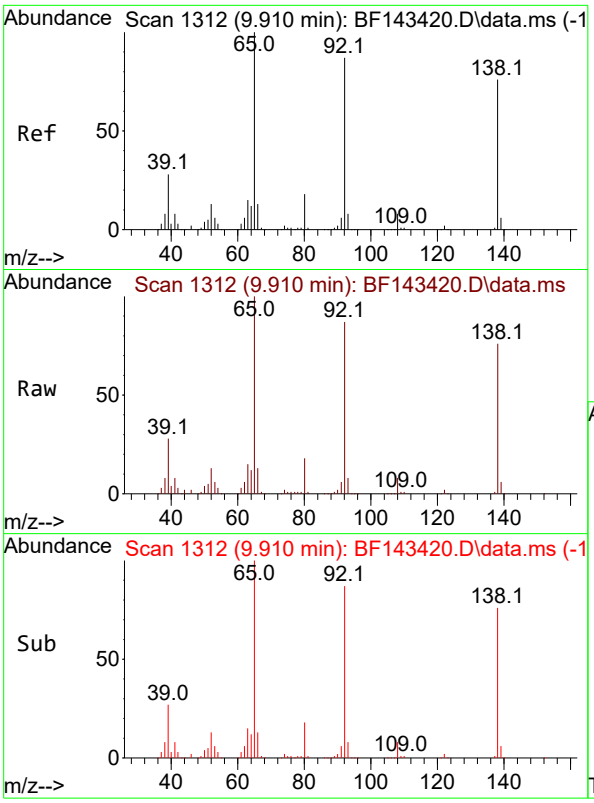


#52
Acenaphthene
Concen: 38.736 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:154 Resp: 573888

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.5	134.3
152	53.3	42.6	64.0



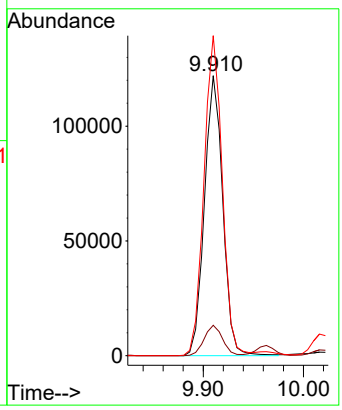


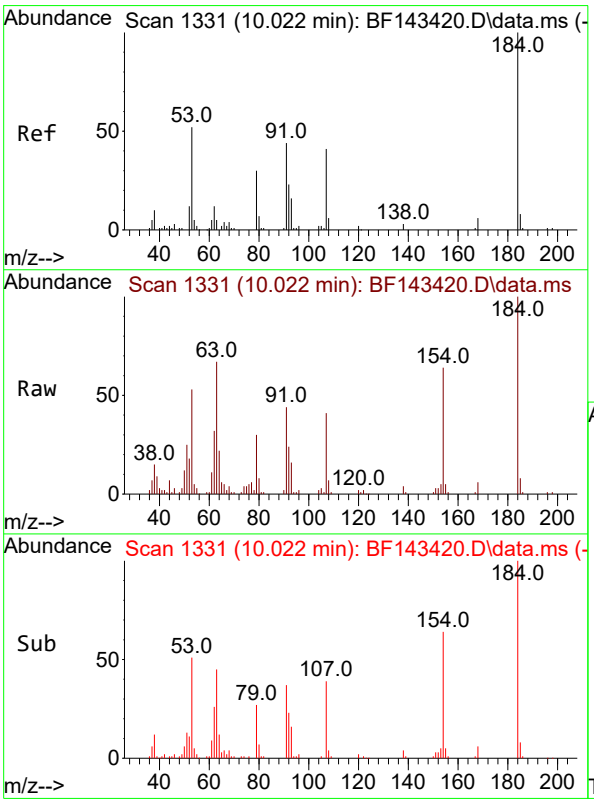
#53
3-Nitroaniline
Concen: 41.285 ng
RT: 9.910 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 155480

Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.7	13.1
92	114.3	91.4	137.2

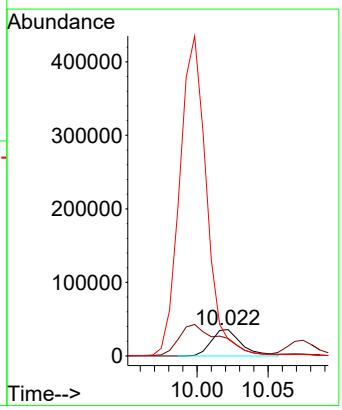


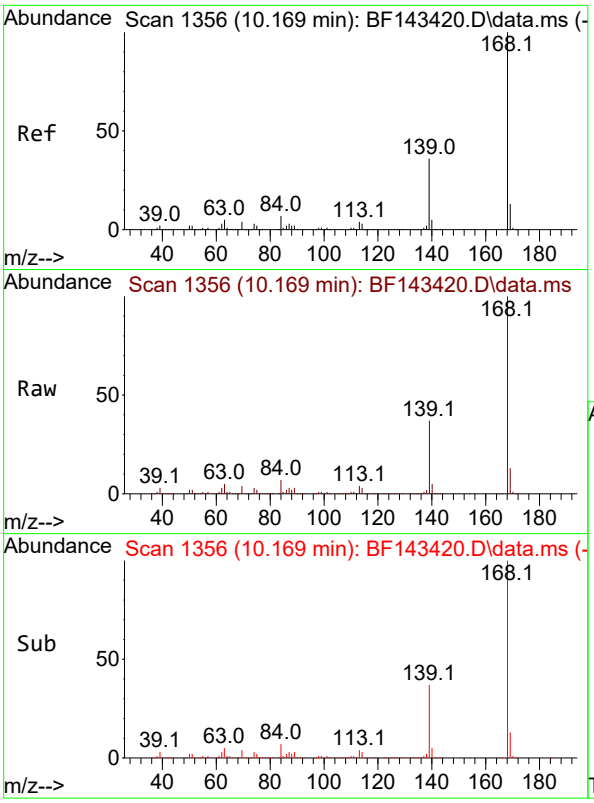


#54
2,4-Dinitrophenol
Concen: 37.023 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:184 Resp: 52940

Ion	Ratio	Lower	Upper
184	100		
63	66.5	53.2	79.8
154	64.1	51.3	76.9



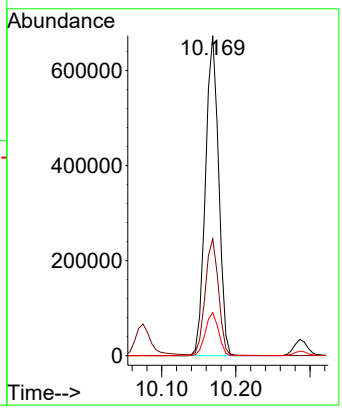


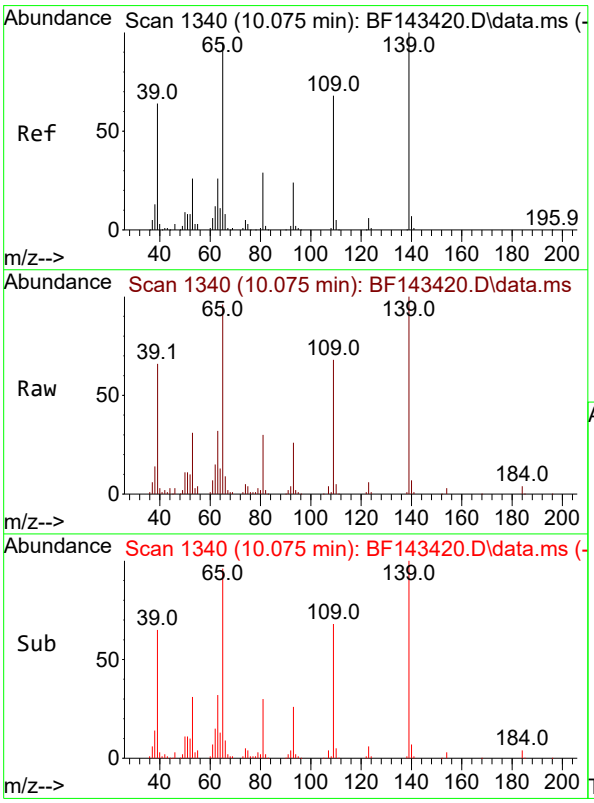
#55
Dibenzofuran
Concen: 39.027 ng
RT: 10.169 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 834107

Ion	Ratio	Lower	Upper
168	100		
139	36.6	29.3	43.9
169	13.5	10.8	16.2

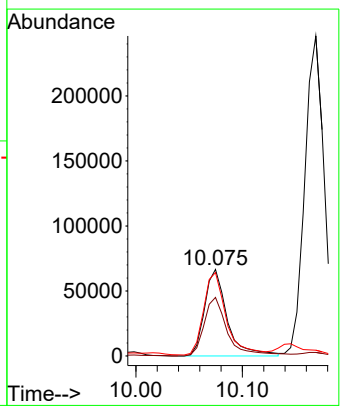


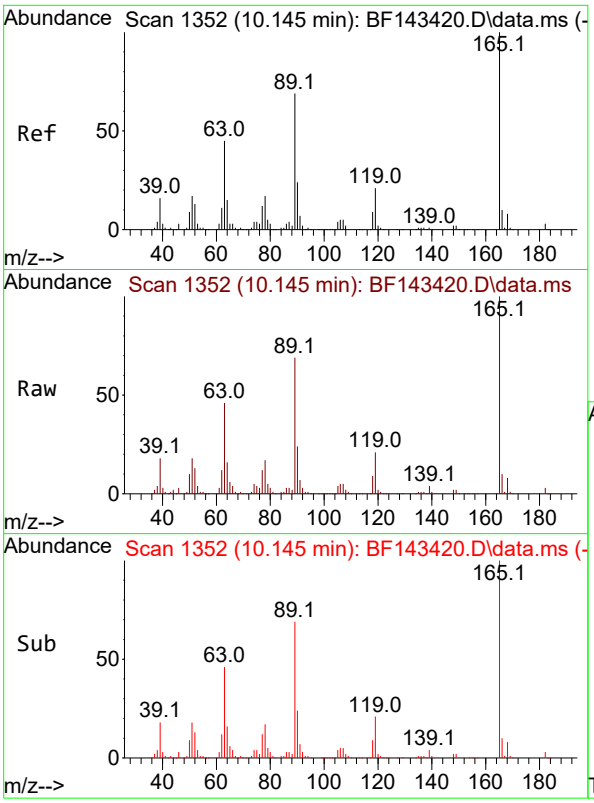


#56
4-Nitrophenol
Concen: 41.570 ng
RT: 10.075 min Scan# 1340
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:139 Resp: 98425

Ion	Ratio	Lower	Upper
139	100		
109	67.7	47.7	87.7
65	96.4	76.4	116.4



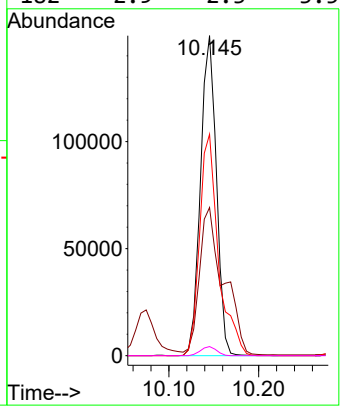


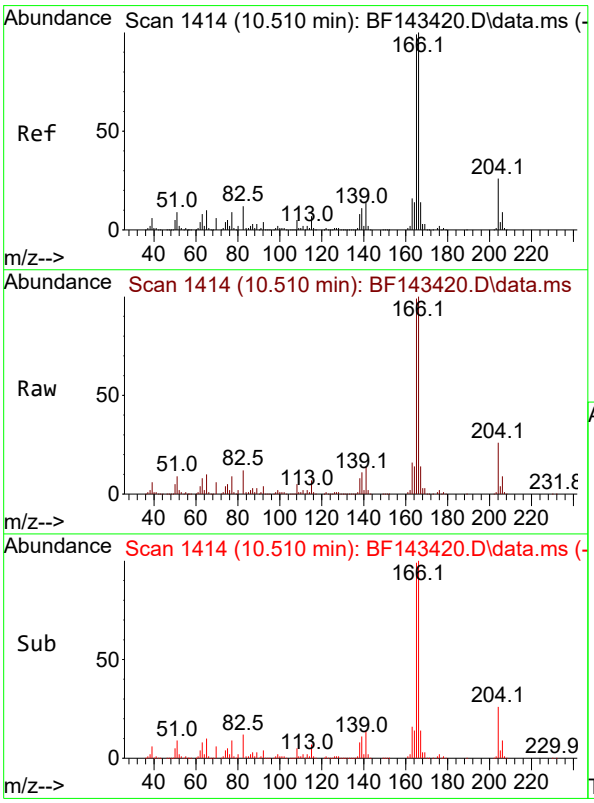
#57
2,4-Dinitrotoluene
Concen: 40.714 ng
RT: 10.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 183519

Ion	Ratio	Lower	Upper
165	100		
63	46.3	37.0	55.6
89	69.2	55.4	83.0
182	2.9	2.3	3.5

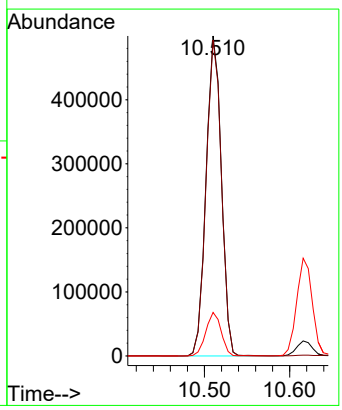


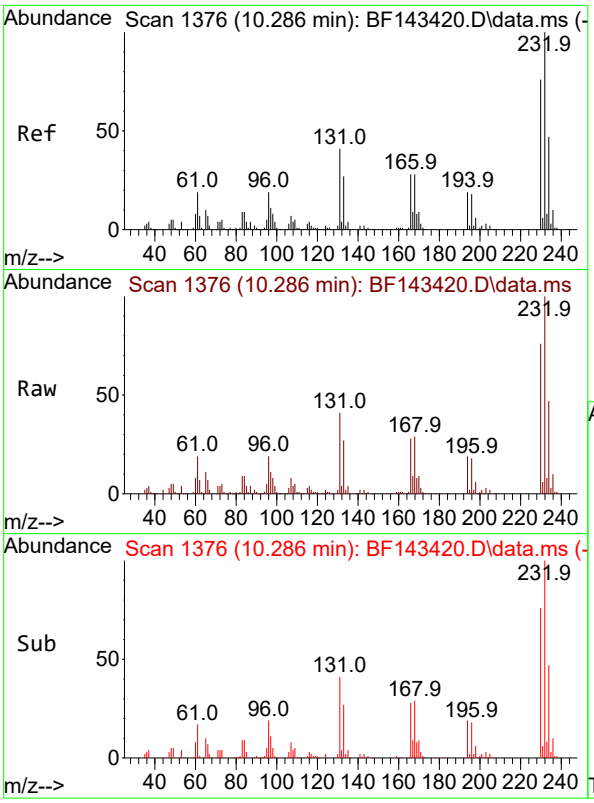


#58
Fluorene
Concen: 37.948 ng
RT: 10.510 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:166 Resp: 623065

Ion	Ratio	Lower	Upper
166	100		
165	98.8	79.0	118.6
167	13.6	10.9	16.3



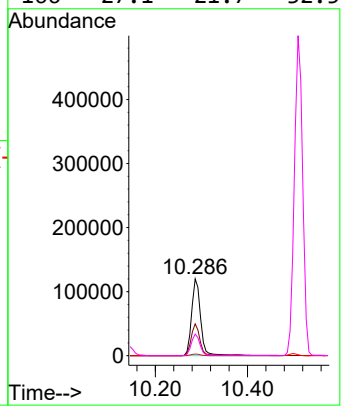


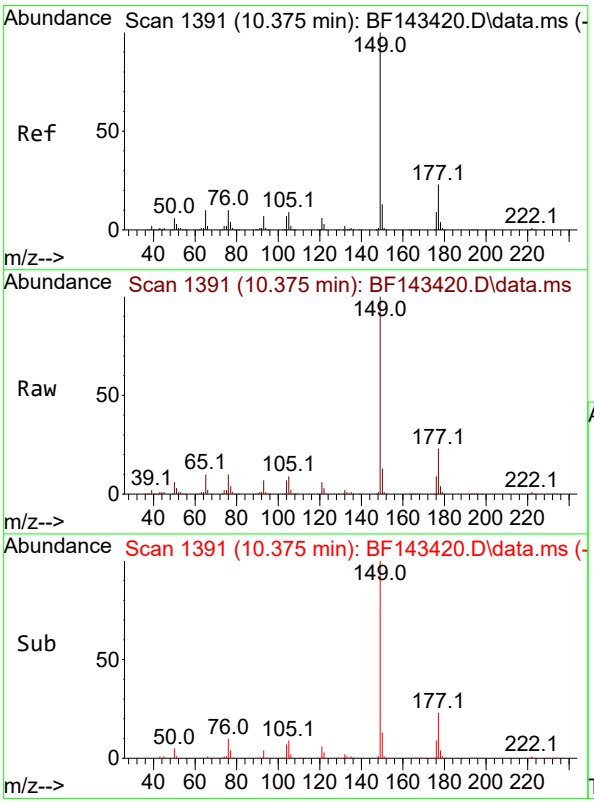
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.137 ng
RT: 10.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 163623

Ion	Ratio	Lower	Upper
232	100		
131	40.0	32.0	48.0
130	2.1	1.7	2.5
166	27.1	21.7	32.5

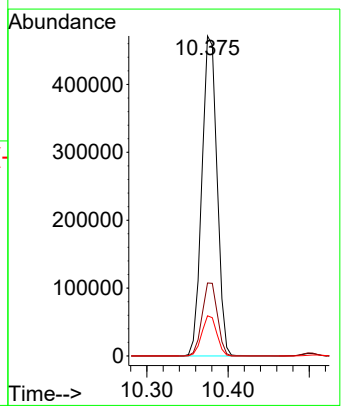


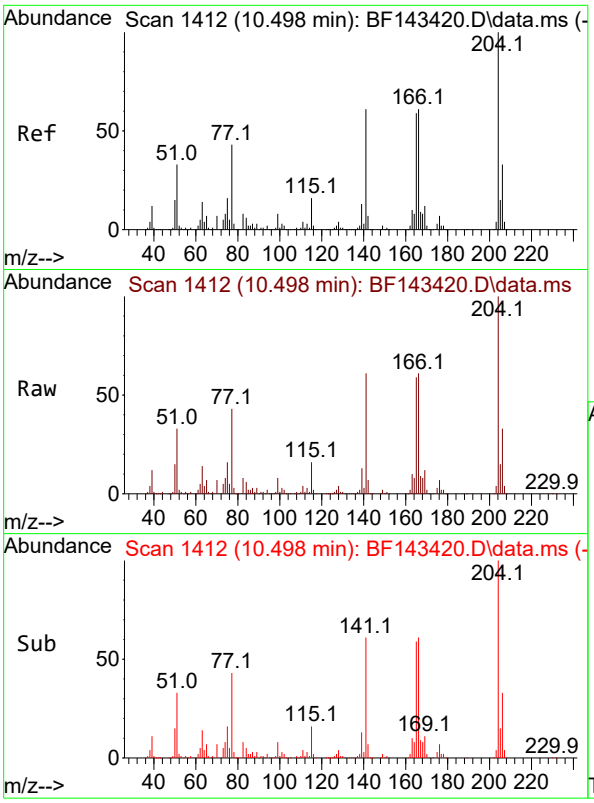


#60
Diethylphthalate
Concen: 38.477 ng
RT: 10.375 min Scan# 1391
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:149 Resp: 609804

Ion	Ratio	Lower	Upper
149	100		
177	22.8	18.2	27.4
150	12.6	10.1	15.1



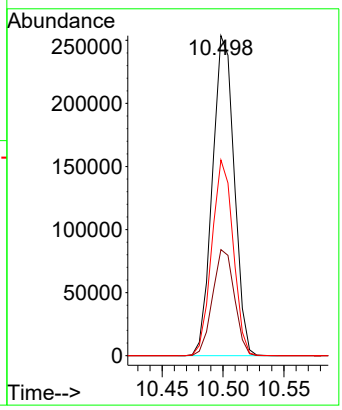


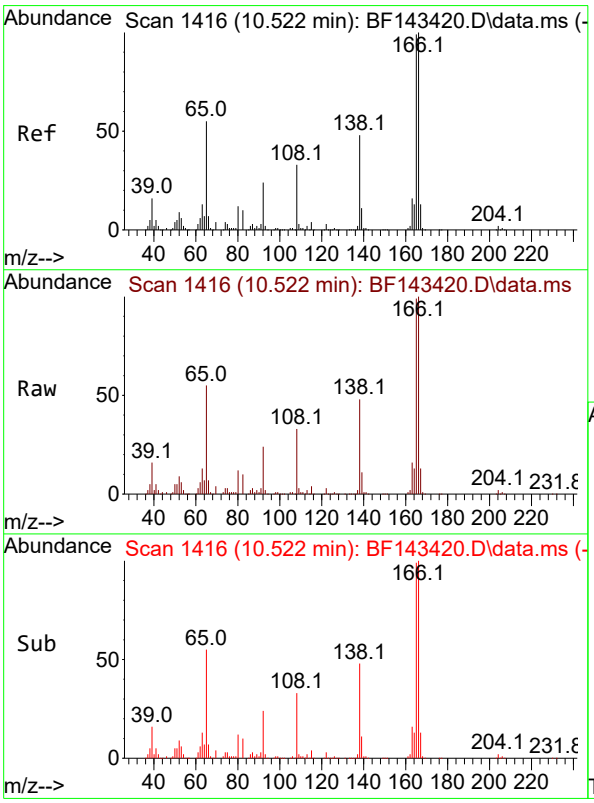
#61
4-Chlorophenyl-phenylether
Concen: 38.911 ng
RT: 10.498 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 315863

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.5	39.7
141	61.2	49.0	73.4

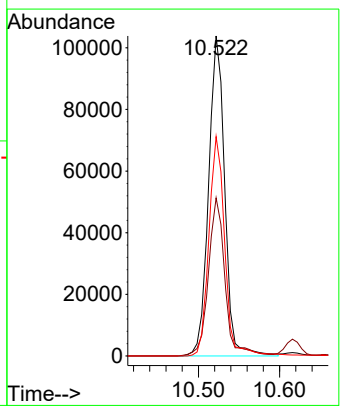


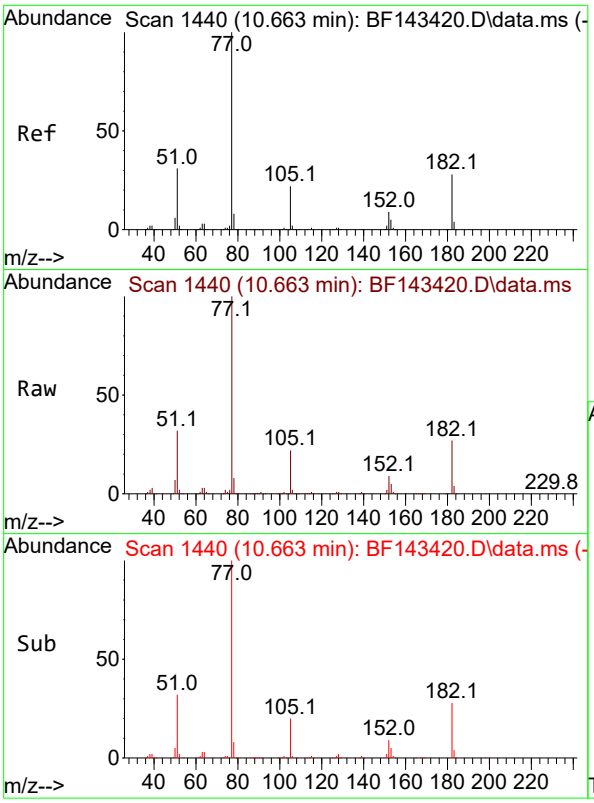


#62
4-Nitroaniline
Concen: 40.695 ng
RT: 10.522 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:138 Resp: 143326

Ion	Ratio	Lower	Upper
138	100		
92	49.4	29.4	69.4
108	68.6	48.6	88.6



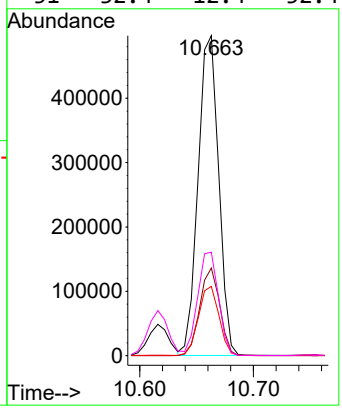


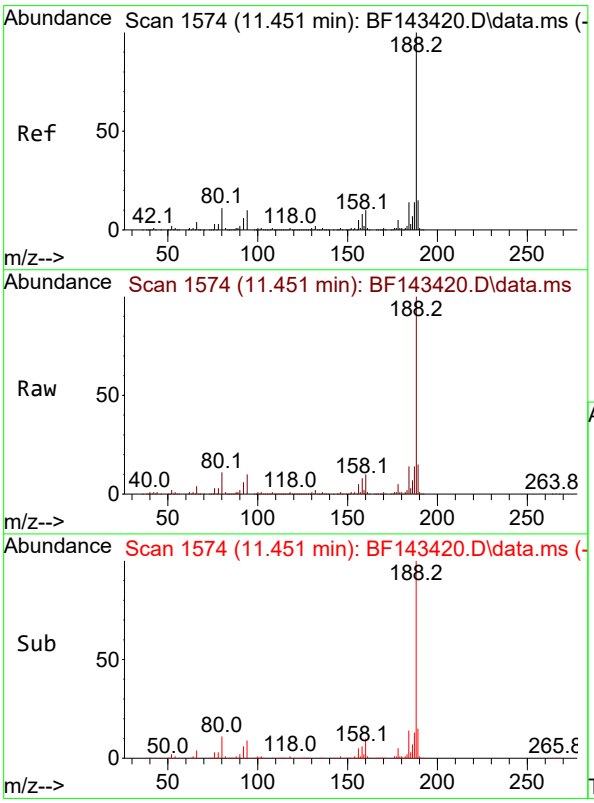
#63
Azobenzene
Concen: 39.038 ng
RT: 10.663 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 625307

Ion	Ratio	Lower	Upper
77	100		
182	27.4	7.4	47.4
105	21.7	1.7	41.7
51	32.4	12.4	52.4

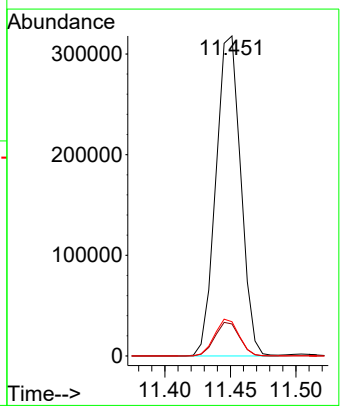


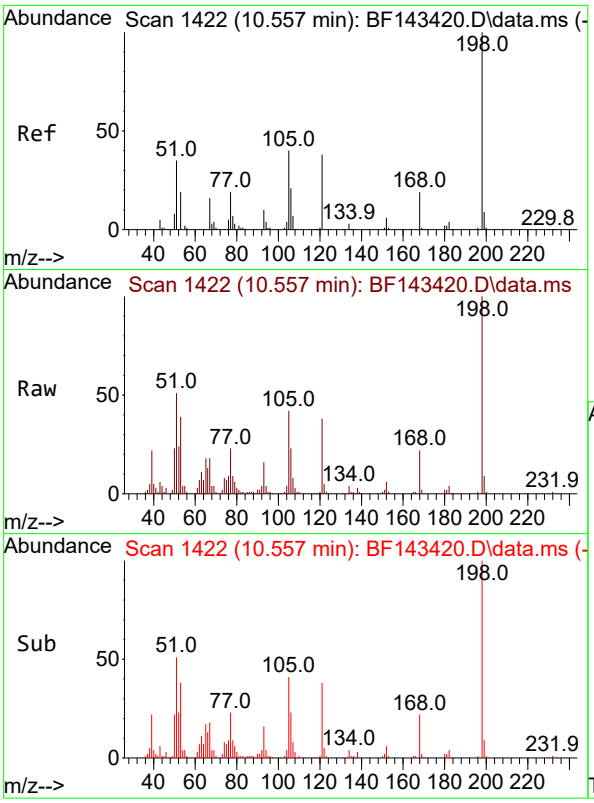


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:188 Resp: 418439

Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.0	12.0
80	10.7	8.6	12.8



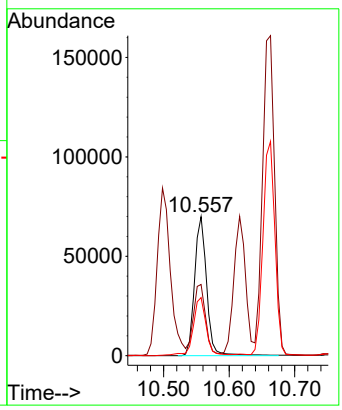


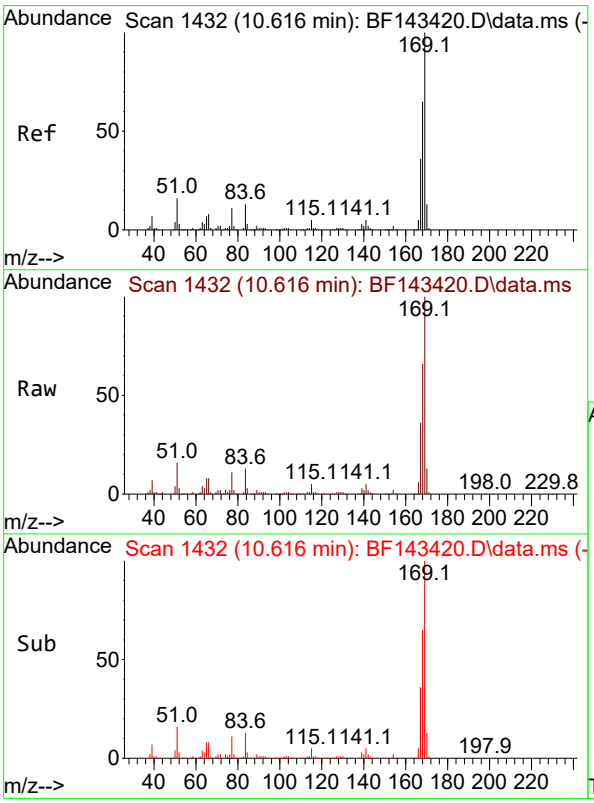
#65
4,6-Dinitro-2-methylphenol
Concen: 41.565 ng
RT: 10.557 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 89738

Ion	Ratio	Lower	Upper
198	100		
51	51.2	31.2	71.2
105	41.7	21.7	61.7

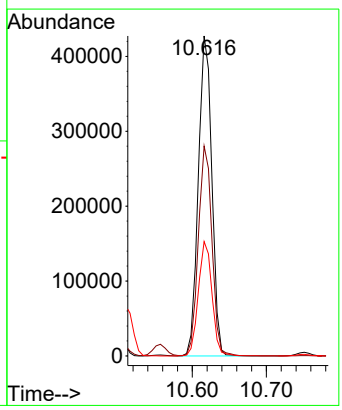


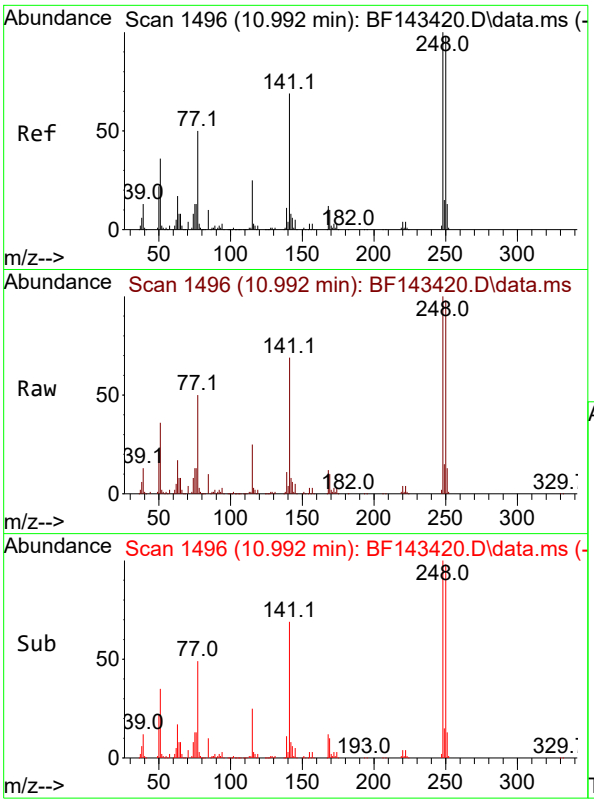


#66
n-Nitrosodiphenylamine
Concen: 39.686 ng
RT: 10.616 min Scan# 1432
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:169 Resp: 539955

Ion	Ratio	Lower	Upper
169	100		
168	65.6	52.5	78.7
167	35.7	28.6	42.8



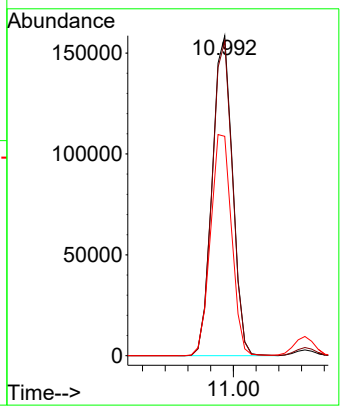


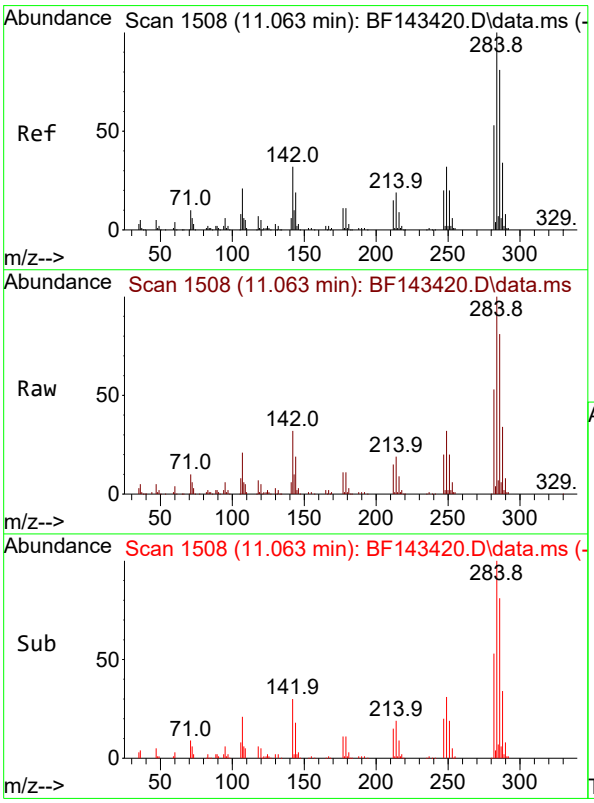
#67
4-Bromophenyl-phenylether
Concen: 39.946 ng
RT: 10.992 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 197382

Ion	Ratio	Lower	Upper
248	100		
250	98.3	78.6	118.0
141	68.6	54.9	82.3

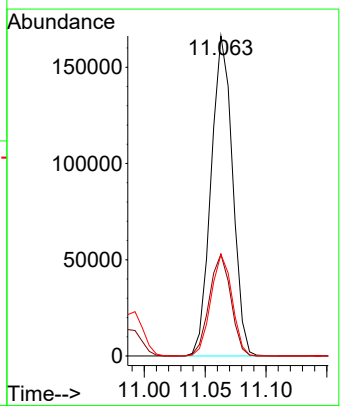


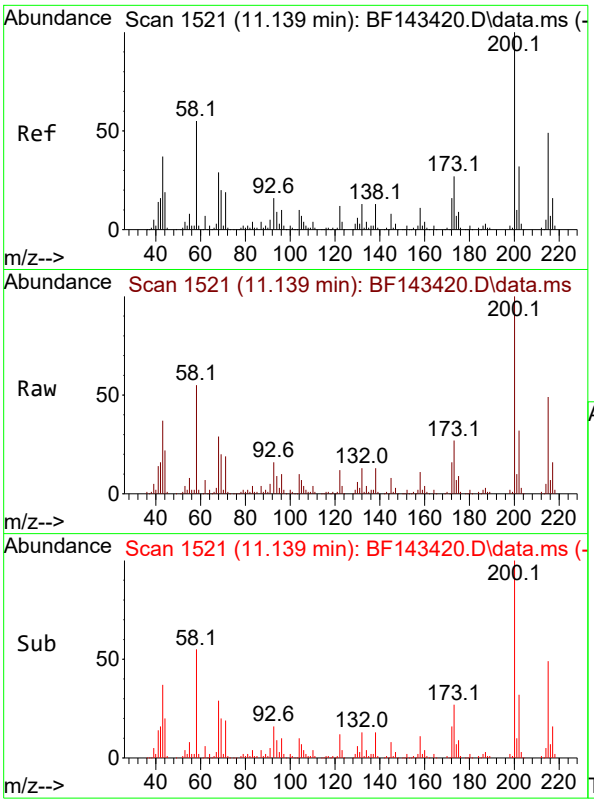


#68
Hexachlorobenzene
Concen: 38.899 ng
RT: 11.063 min Scan# 1508
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:284 Resp: 204335

Ion	Ratio	Lower	Upper
284	100		
142	31.8	25.4	38.2
249	31.7	25.4	38.0



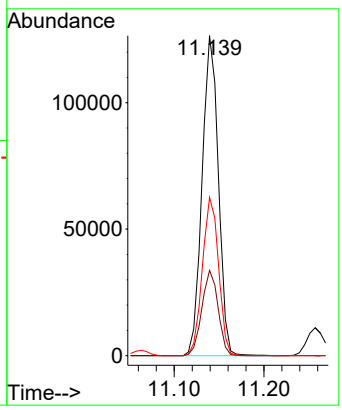


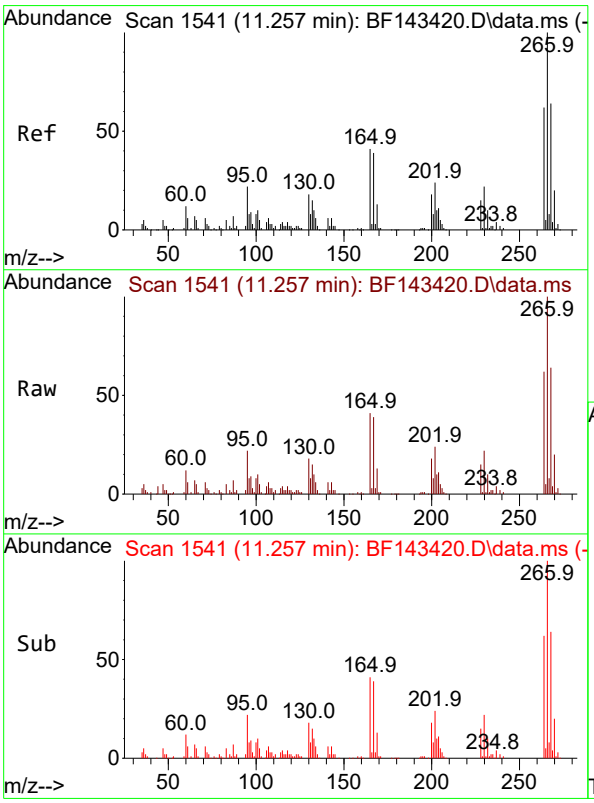
#69
Atrazine
Concen: 39.987 ng
RT: 11.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 159131

Ion	Ratio	Lower	Upper
200	100		
173	26.6	6.6	46.6
215	49.5	29.5	69.5

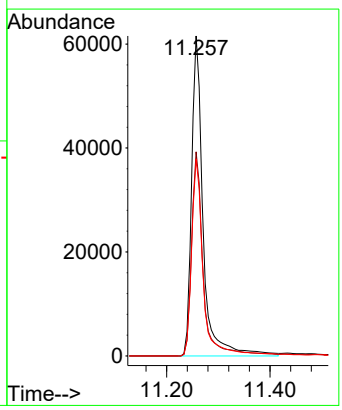


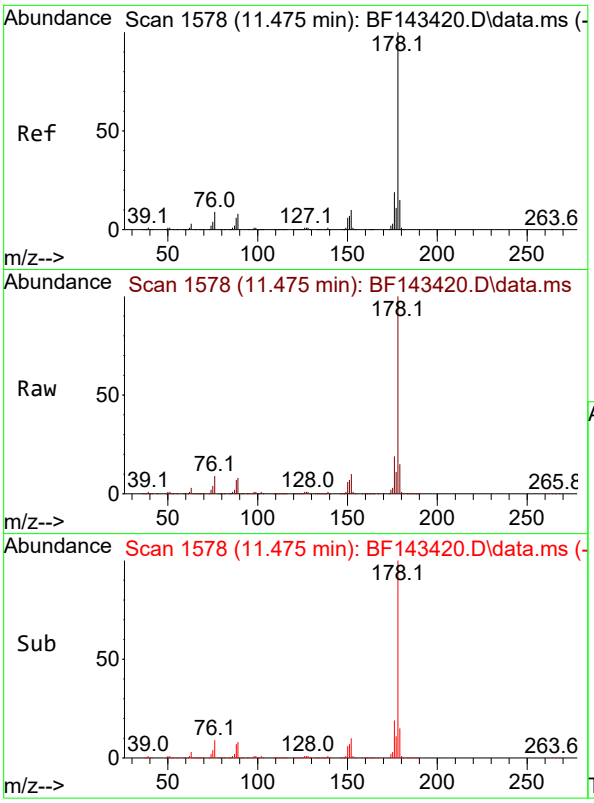


#70
Pentachlorophenol
Concen: 40.967 ng
RT: 11.257 min Scan# 1541
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:266 Resp: 95543

Ion	Ratio	Lower	Upper
266	100		
268	63.8	51.0	76.6
264	61.6	49.3	73.9



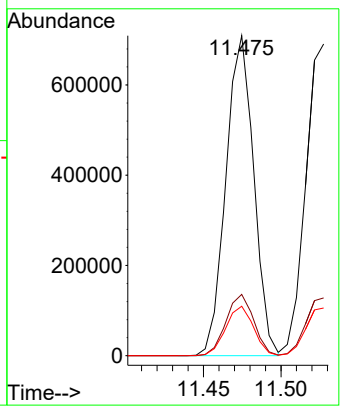


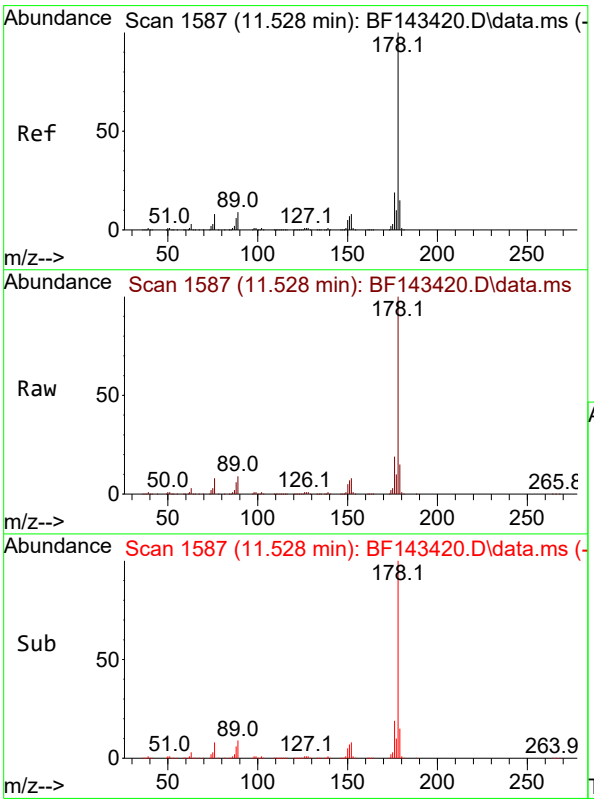
#71
Phenanthrene
Concen: 39.146 ng
RT: 11.475 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 887025

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.4	12.3	18.5

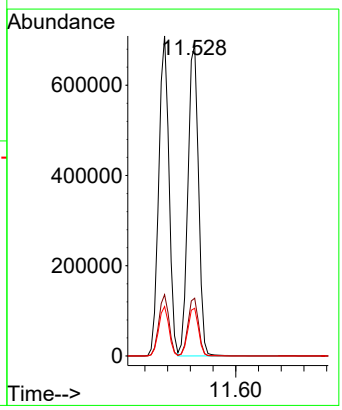


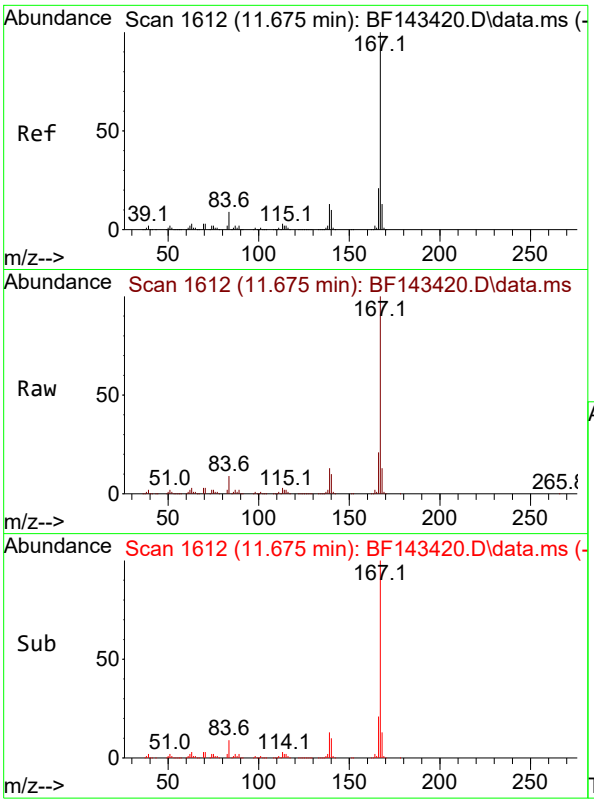


#72
Anthracene
Concen: 38.933 ng
RT: 11.528 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:178 Resp: 891035

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.3	12.2	18.4



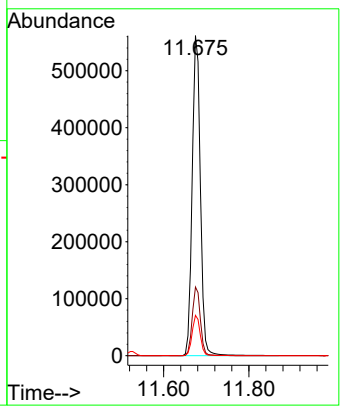


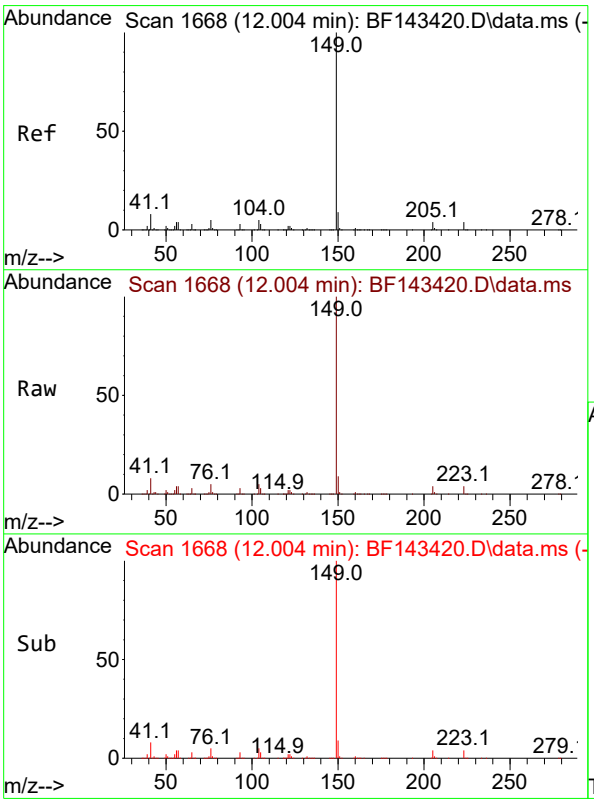
#73
Carbazole
Concen: 38.687 ng
RT: 11.675 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 748842

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.2	25.8
139	12.6	10.1	15.1

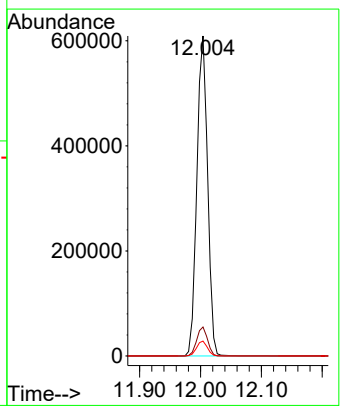


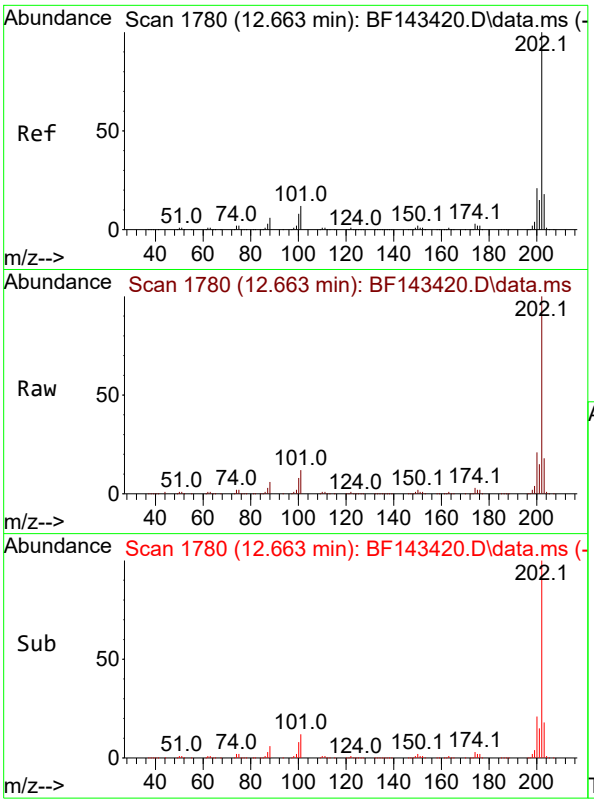


#74
Di-n-butylphthalate
Concen: 38.710 ng
RT: 12.004 min Scan# 1668
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:149 Resp: 746153

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.7	3.8	5.6



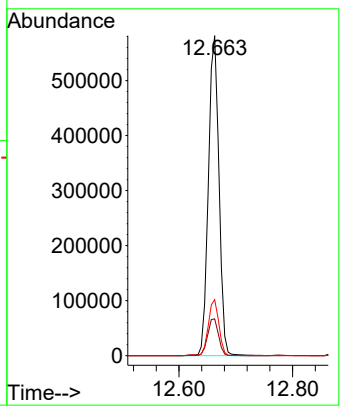


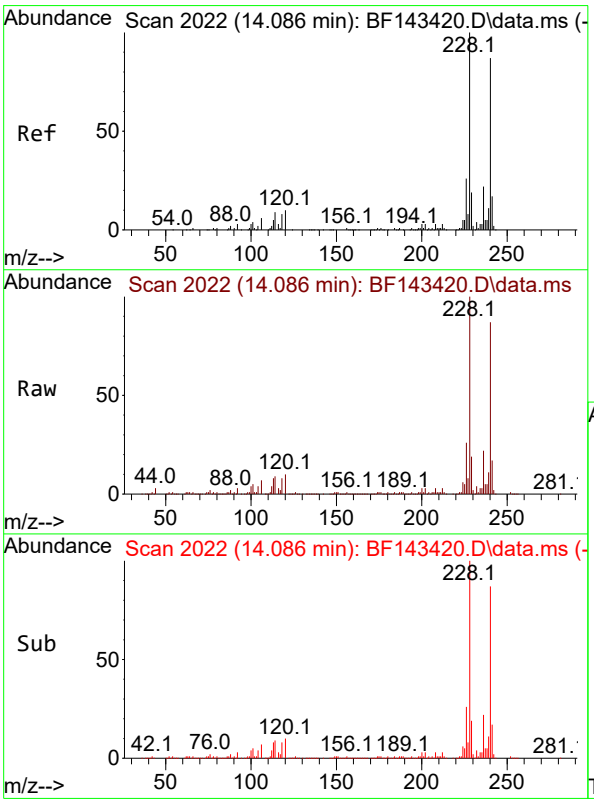
#75
Fluoranthene
Concen: 37.119 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 747356

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.5
203	17.5	0.0	37.5

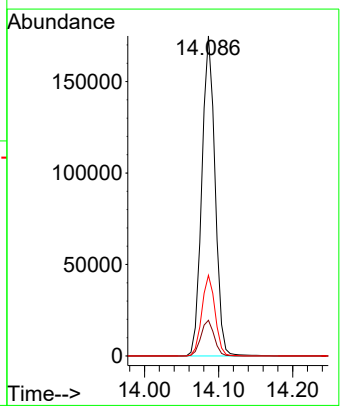


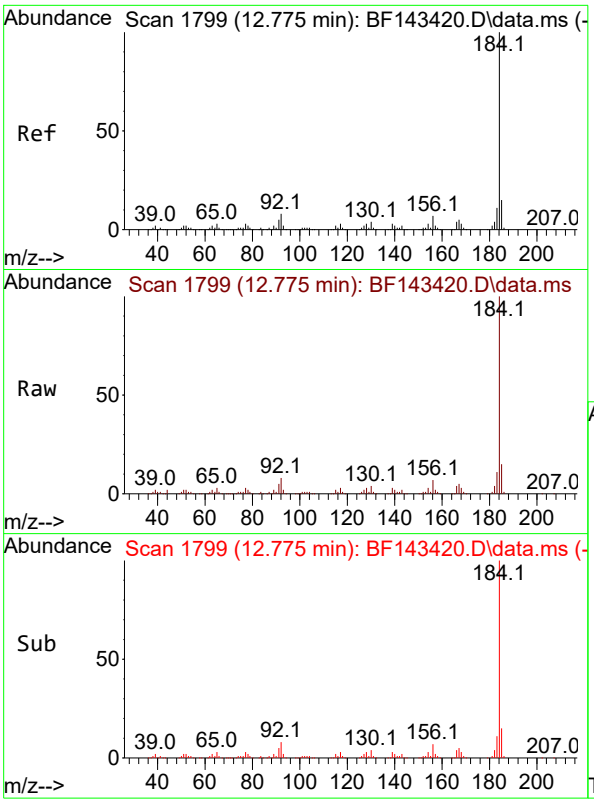


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:240 Resp: 217298

Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.0	13.4
236	25.2	20.2	30.2



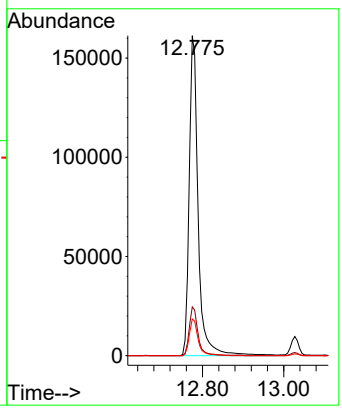


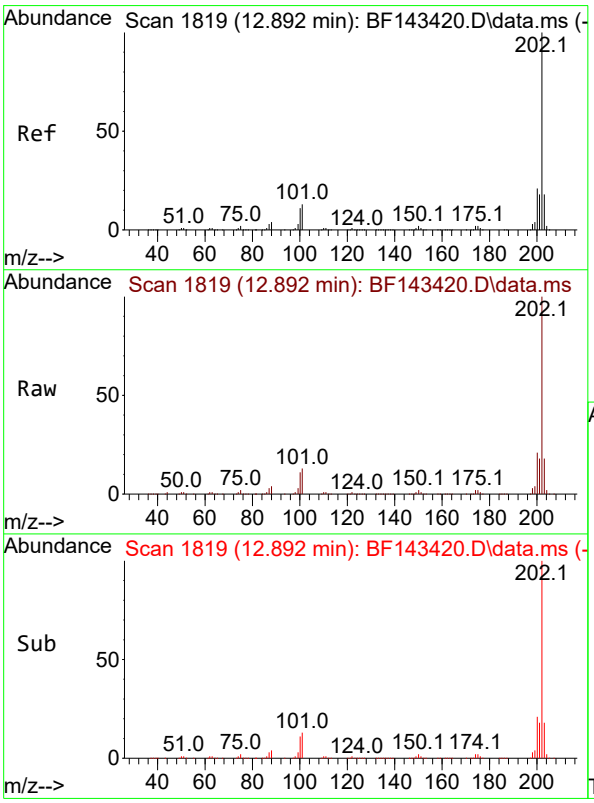
#77
Benzidine
Concen: 40.043 ng
RT: 12.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 246322

Ion	Ratio	Lower	Upper
184	100		
185	15.2	12.2	18.2
183	11.5	9.2	13.8

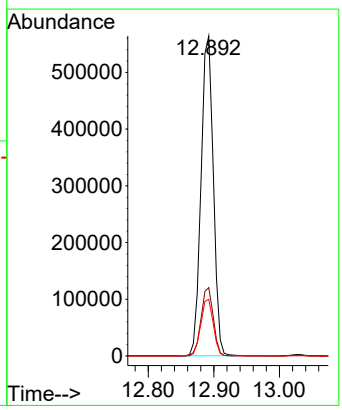


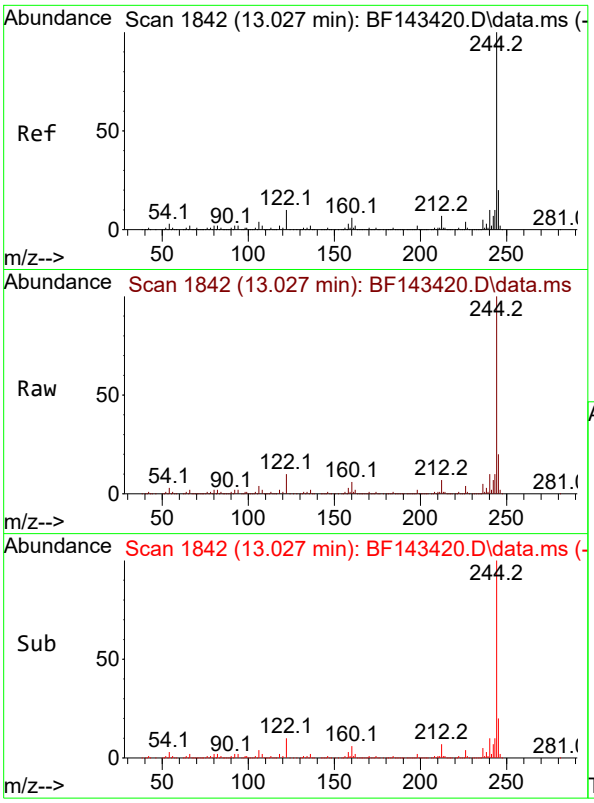


#78
Pyrene
Concen: 39.060 ng
RT: 12.892 min Scan# 1819
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:202 Resp: 737731

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.1	25.7
203	17.7	14.2	21.2



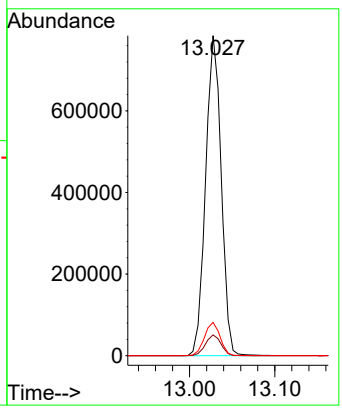


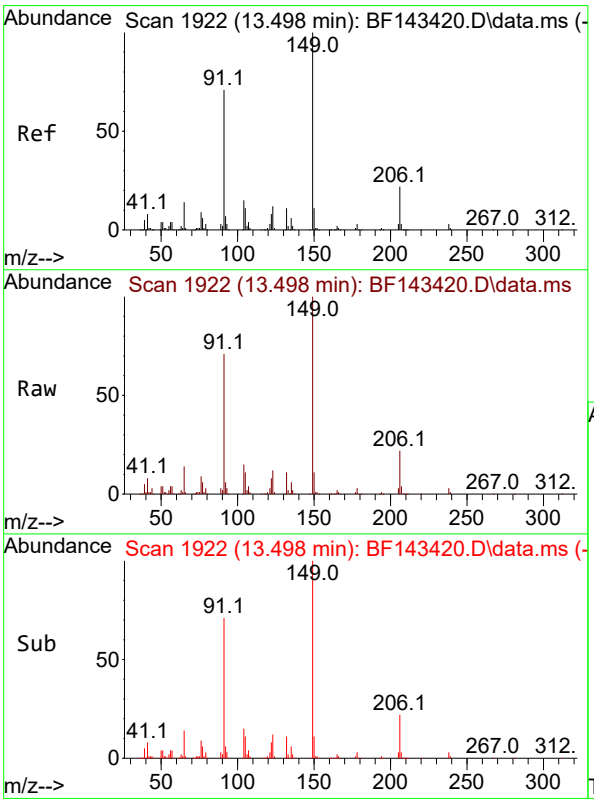
#79
Terphenyl-d14
Concen: 77.055 ng
RT: 13.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 996745

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	10.4	8.3	12.5

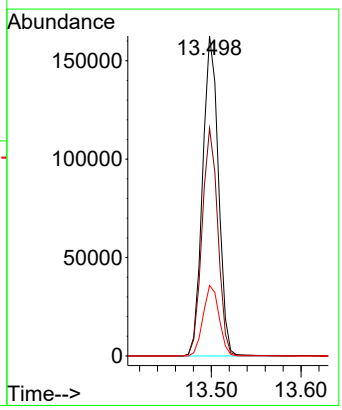


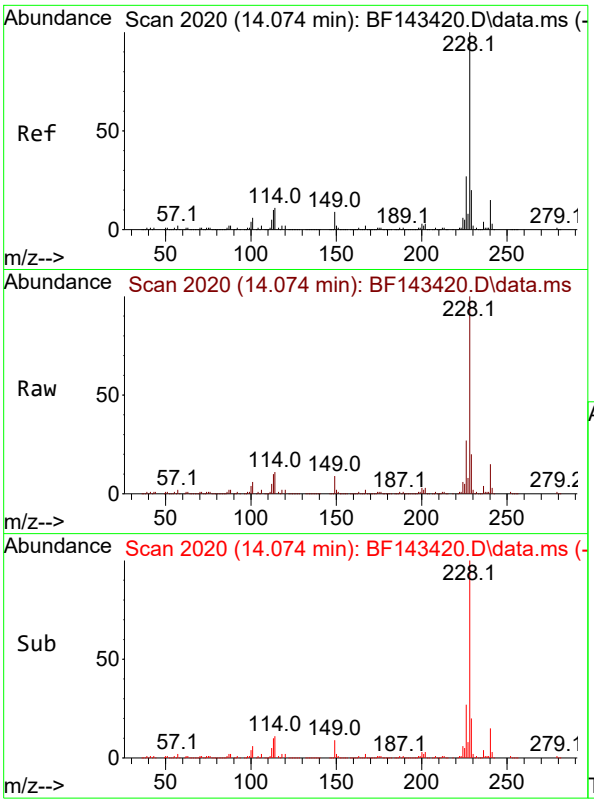


#80
Butylbenzylphthalate
Concen: 42.604 ng
RT: 13.498 min Scan# 1922
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:149 Resp: 199307

Ion	Ratio	Lower	Upper
149	100		
91	71.2	57.0	85.4
206	22.0	17.6	26.4



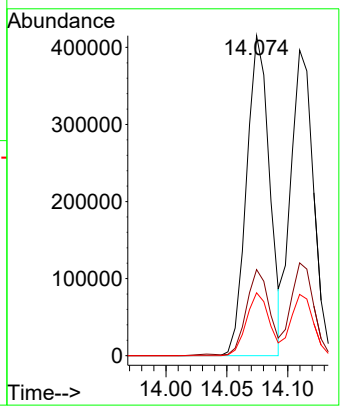


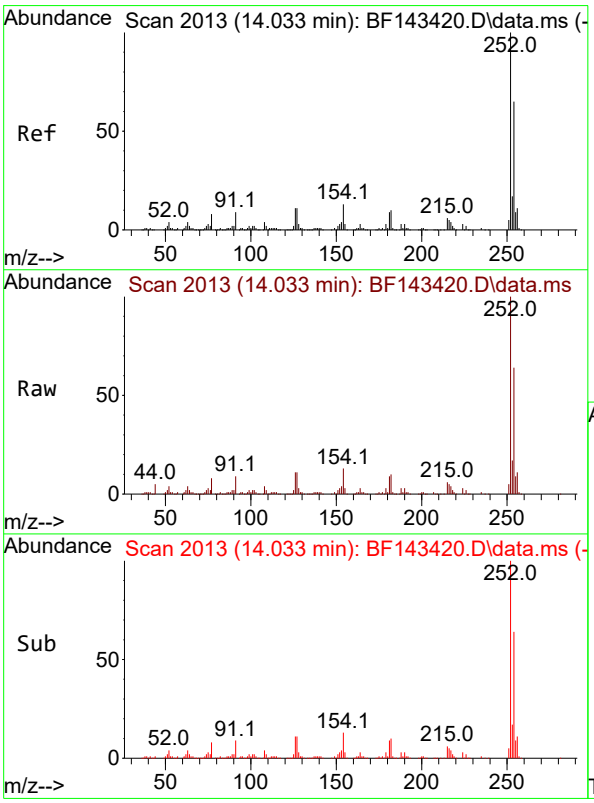
#81
Benzo(a)anthracene
Concen: 39.407 ng
RT: 14.074 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 545178

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.5	32.3
229	19.6	15.7	23.5

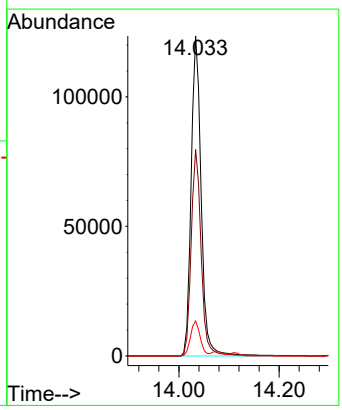


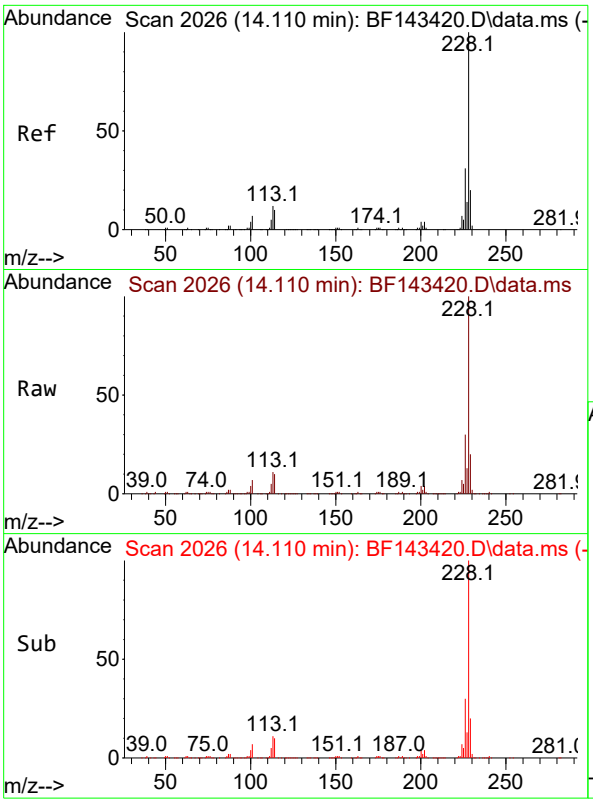


#82
3,3'-Dichlorobenzidine
Concen: 42.205 ng
RT: 14.033 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:252 Resp: 170953

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.6	77.4
126	11.0	8.8	13.2



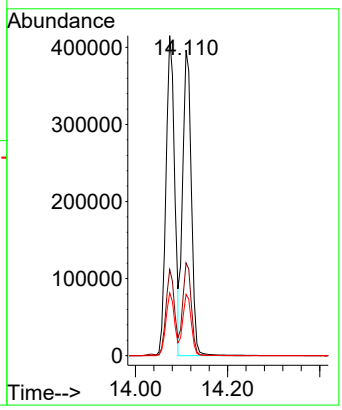


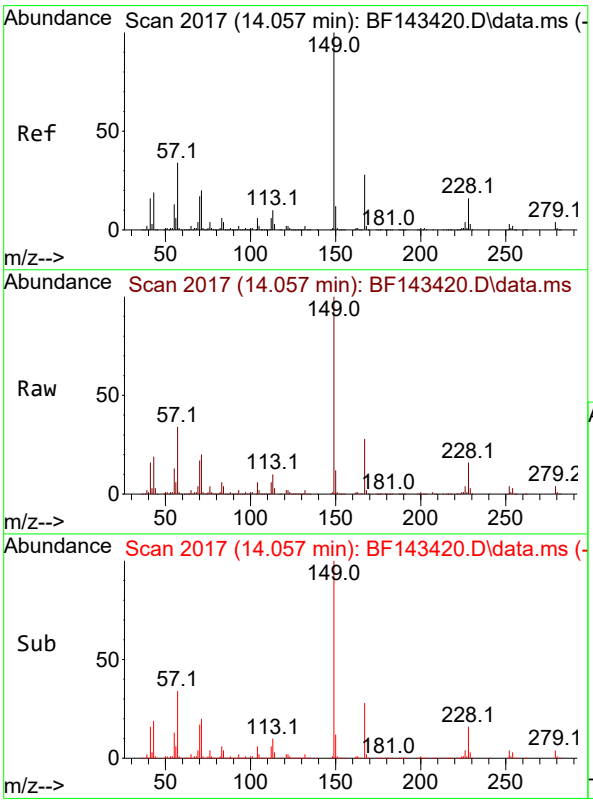
#83
Chrysene
Concen: 40.562 ng
RT: 14.110 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 518778

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.3	36.5
229	20.1	16.1	24.1

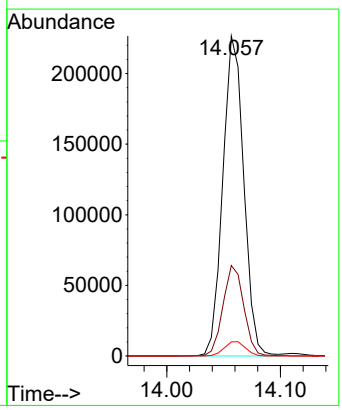


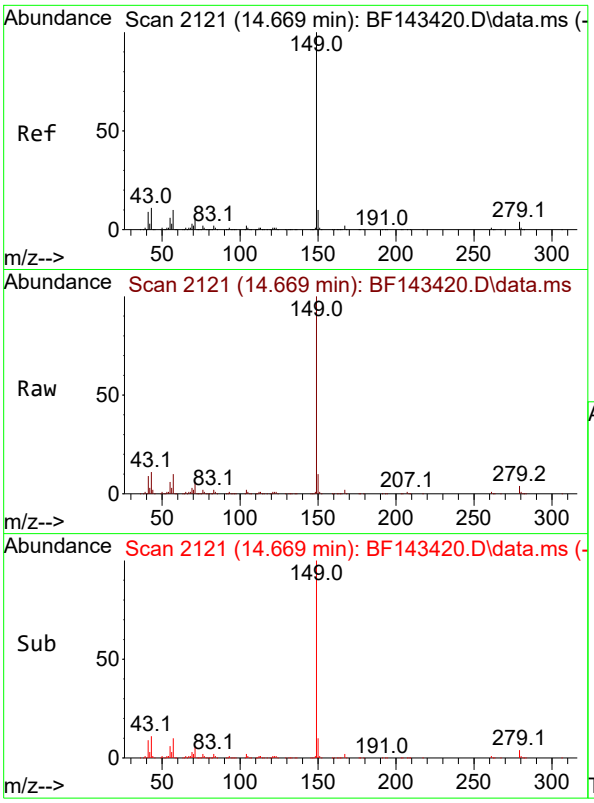


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.719 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:149 Resp: 290451

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.6	33.8
279	4.4	3.5	5.3



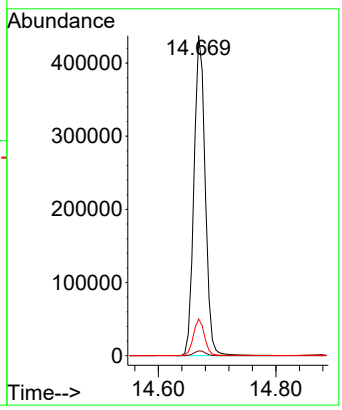


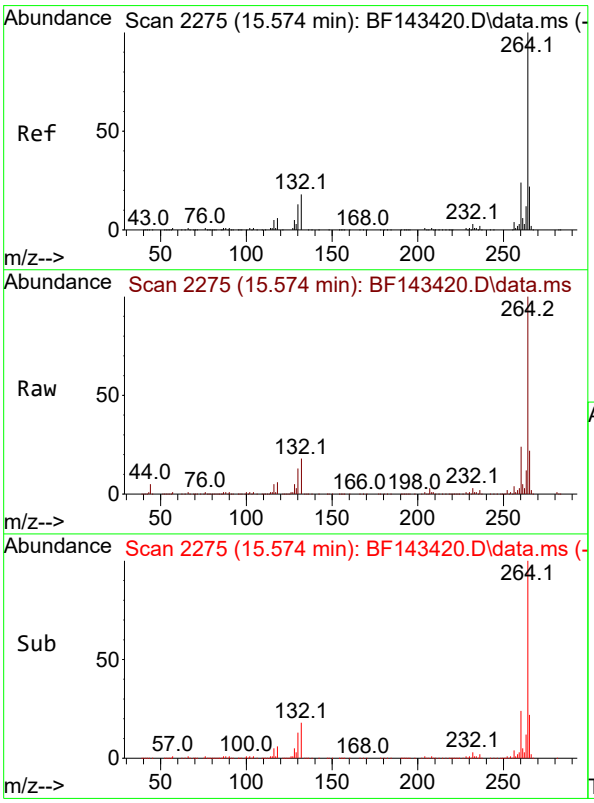
#85
Di-n-octyl phthalate
Concen: 42.897 ng
RT: 14.669 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 578031

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.3	9.0	13.6

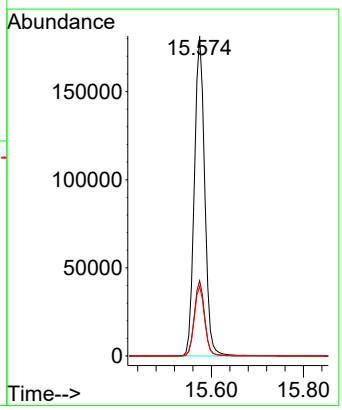


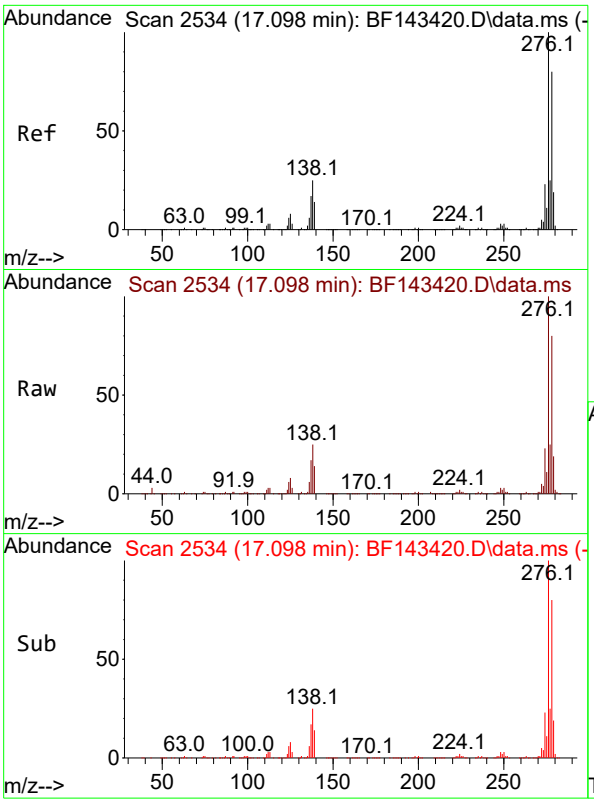


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2275
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:264 Resp: 282413

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.8	28.2
265	21.7	17.4	26.0



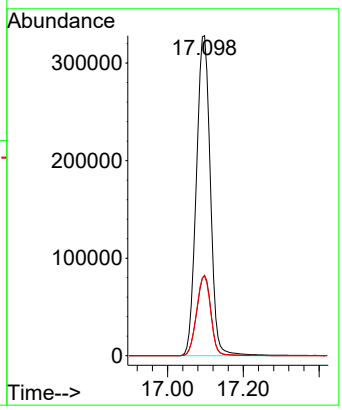


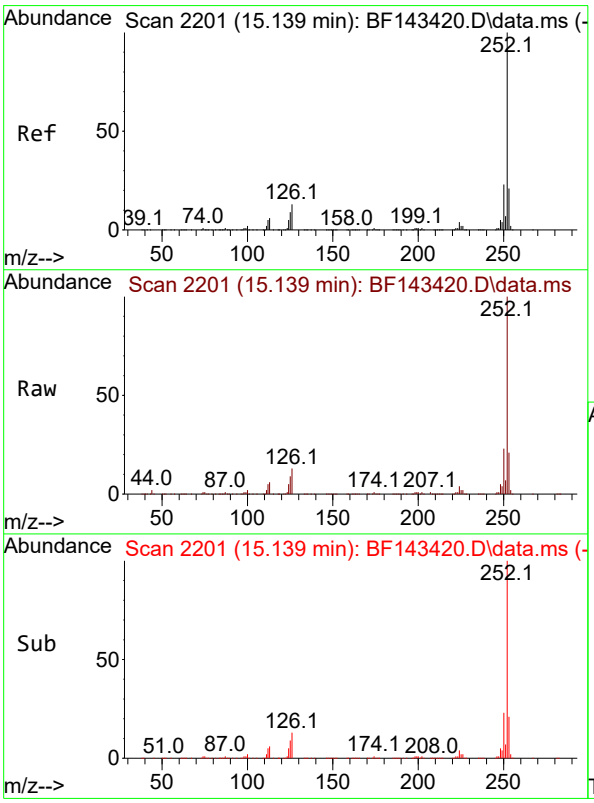
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.863 ng
RT: 17.098 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 844235

Ion	Ratio	Lower	Upper
276	100		
138	25.3	20.2	30.4
277	25.2	20.2	30.2

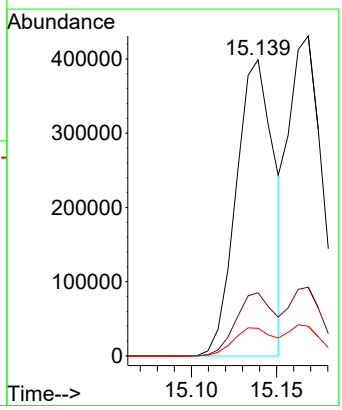


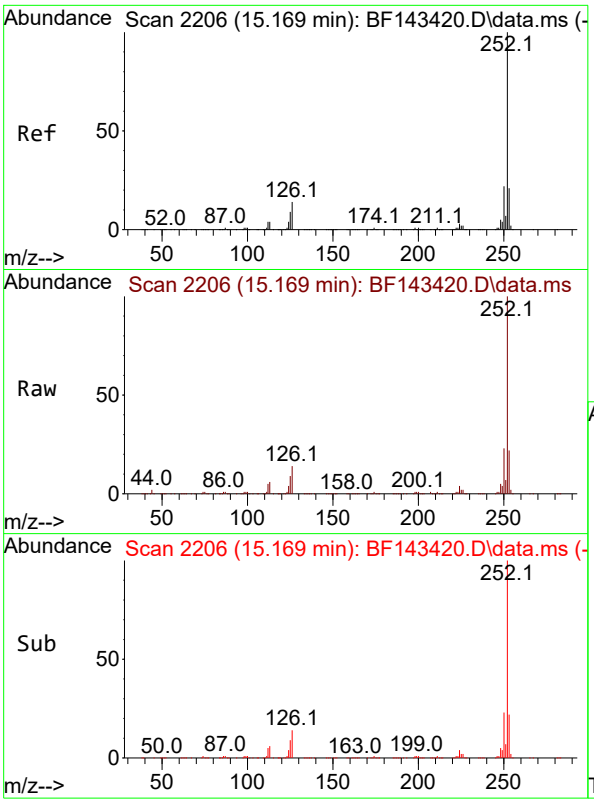


#88
Benzo(b)fluoranthene
Concen: 40.661 ng
RT: 15.139 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:252 Resp: 615448

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	9.4	7.5	11.3



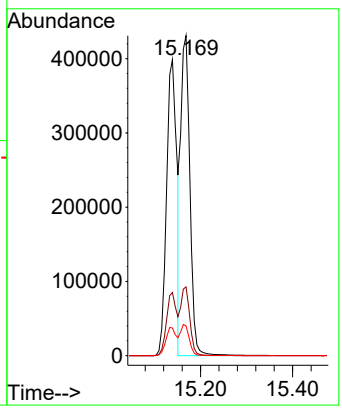


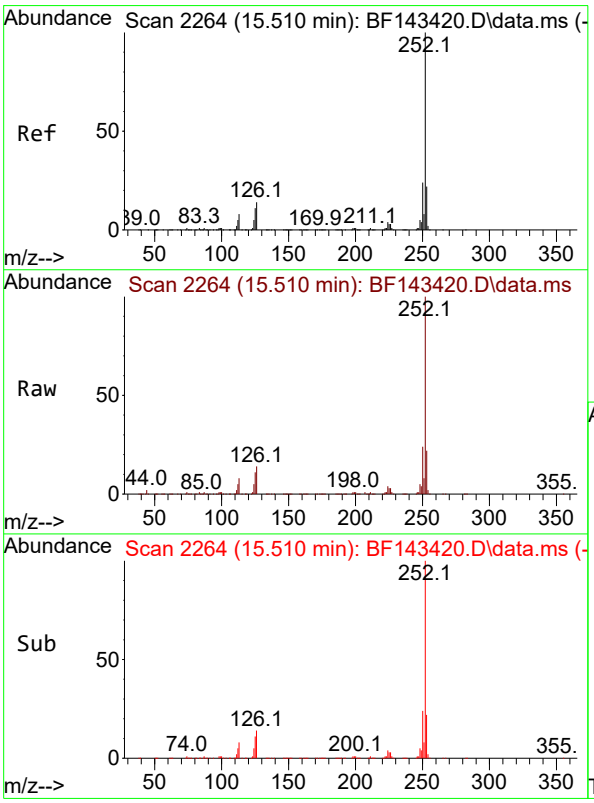
#89
Benzo(k)fluoranthene
Concen: 39.820 ng
RT: 15.169 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 594473

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8
125	9.3	7.4	11.2

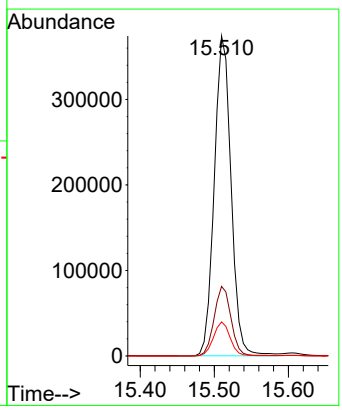


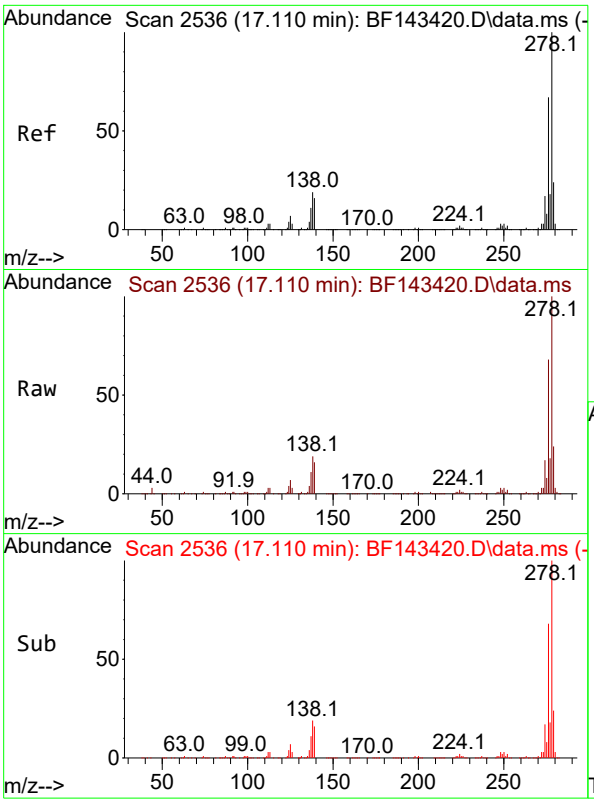


#90
Benzo(a)pyrene
Concen: 40.866 ng
RT: 15.510 min Scan# 2264
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:252 Resp: 589150

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	10.7	8.6	12.8



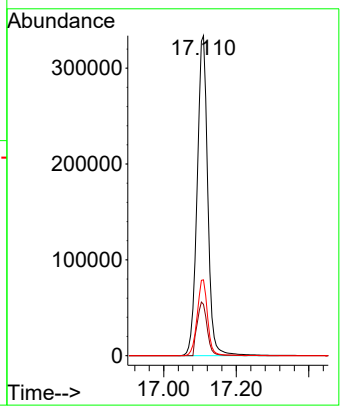


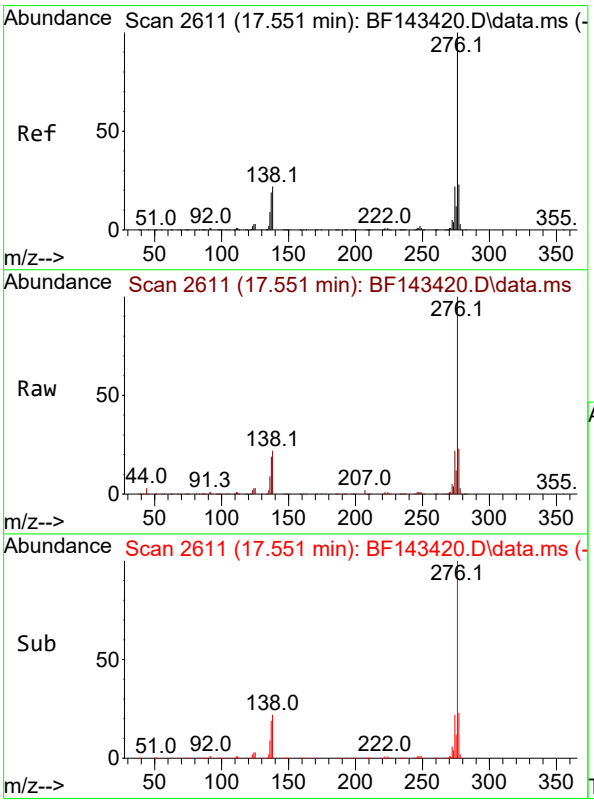
#91
Dibenzo(a,h)anthracene
Concen: 39.953 ng
RT: 17.110 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 679495

Ion	Ratio	Lower	Upper
278	100		
139	16.1	12.9	19.3
279	23.7	19.0	28.4

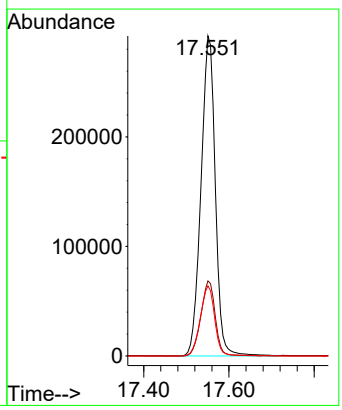




#92
Benzo(g,h,i)perylene
Concen: 40.113 ng
RT: 17.551 min Scan# 2611
Delta R.T. 0.000 min
Lab File: BF143420.D
Acq: 15 Aug 2025 16:28

Tgt Ion:276 Resp: 681509

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.7	28.1
138	21.9	17.5	26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143421.D
Acq On : 15 Aug 2025 16:58
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Aug 15 18:28:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	130868	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	501440	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	269402	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	399933	20.000	ng	0.00
76) Chrysene-d12	14.086	240	212755	20.000	ng	0.00
86) Perylene-d12	15.574	264	292857	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	720631	95.722	ng	0.00
7) Phenol-d6	6.563	99	905039	95.393	ng	0.00
23) Nitrobenzene-d5	7.487	82	826629	97.821	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	230532	96.140	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	1446406	90.305	ng	0.00
79) Terphenyl-d14	13.027	244	1124159	88.761	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.728	88	175435	48.412	ng	99
3) Pyridine	3.510	79	478644	50.361	ng	99
4) n-Nitrosodimethylamine	3.452	42	220531	49.920	ng	100
6) Aniline	6.593	93	622834	48.357	ng	97
8) 2-Chlorophenol	6.716	128	395716	47.611	ng	99
9) Benzaldehyde	6.481	77	208469	41.304	ng	99
10) Phenol	6.575	94	530907	47.954	ng	100
11) bis(2-Chloroethyl)ether	6.663	93	394817	48.110	ng	98
12) 1,3-Dichlorobenzene	6.869	146	436132	46.843	ng	99
13) 1,4-Dichlorobenzene	6.946	146	443461	47.709	ng	99
14) 1,2-Dichlorobenzene	7.098	146	420628	47.378	ng	100
15) Benzyl Alcohol	7.069	79	346568	49.533	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	658959	46.969	ng	97
17) 2-Methylphenol	7.181	107	323714	47.736	ng	99
18) Hexachloroethane	7.440	117	150926	47.703	ng	98
19) n-Nitroso-di-n-propyla...	7.340	70	271764	46.269	ng	98
20) 3+4-Methylphenols	7.334	107	381880	47.097	ng	97
22) Acetophenone	7.334	105	494892	45.903	ng	98
24) Nitrobenzene	7.510	77	432934	49.019	ng	97
25) Isophorone	7.751	82	771184	47.682	ng	99
26) 2-Nitrophenol	7.828	139	212674	51.944	ng	97
27) 2,4-Dimethylphenol	7.863	122	328110	47.397	ng	99
28) bis(2-Chloroethoxy)met...	7.951	93	468573	47.135	ng	99
29) 2,4-Dichlorophenol	8.069	162	339906	48.167	ng	100
30) 1,2,4-Trichlorobenzene	8.151	180	343045	47.443	ng	100
31) Naphthalene	8.234	128	1117518	46.943	ng	100
32) Benzoic acid	7.981	122	182945	51.056	ng	98
33) 4-Chloroaniline	8.275	127	414537	48.241	ng	100
34) Hexachlorobutadiene	8.351	225	218677	47.427	ng	98
35) Caprolactam	8.651	113	100206	49.321	ng	97
36) 4-Chloro-3-methylphenol	8.757	107	352945	48.562	ng	99
37) 2-Methylnaphthalene	8.922	142	742483	46.270	ng	99
38) 1-Methylnaphthalene	9.022	142	716623	46.612	ng	99
40) 1,2,4,5-Tetrachloroben...	9.092	216	358160	47.670	ng	99
41) Hexachlorocyclopentadiene	9.081	237	129004	49.794	ng	98
43) 2,4,6-Trichlorophenol	9.198	196	229793	49.030	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143421.D
Acq On : 15 Aug 2025 16:58
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Aug 15 18:28:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

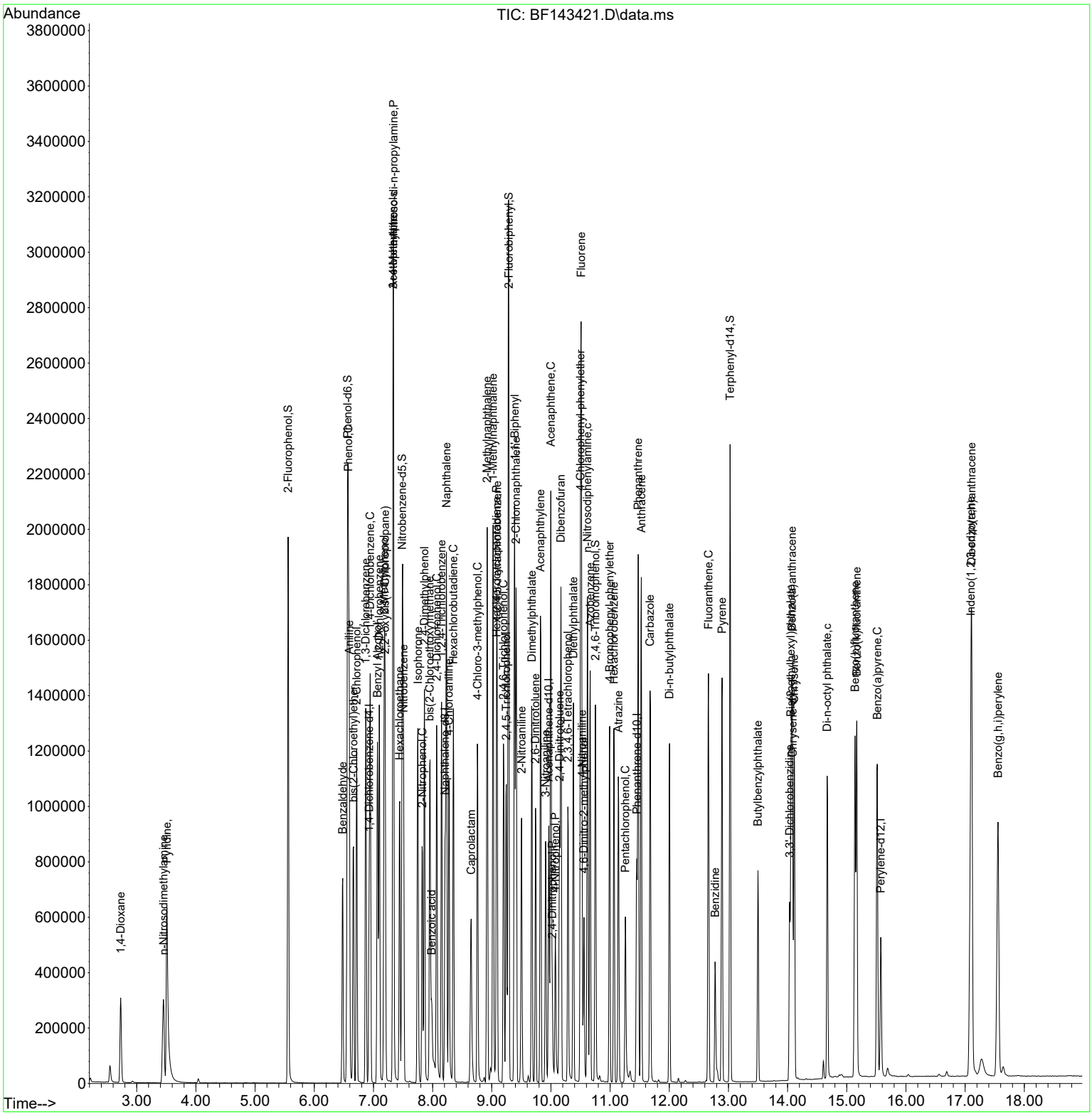
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	249336	49.630	ng	99
46) 1,1'-Biphenyl	9.387	154	886393	46.828	ng	100
47) 2-Chloronaphthalene	9.410	162	706570	47.289	ng	99
48) 2-Nitroaniline	9.504	65	223540	50.274	ng	97
49) Acenaphthylene	9.822	152	1023016	47.421	ng	100
50) Dimethylphthalate	9.675	163	793803	47.261	ng	100
51) 2,6-Dinitrotoluene	9.739	165	168362	50.849	ng	99
52) Acenaphthene	9.998	154	686068	47.284	ng	100
53) 3-Nitroaniline	9.910	138	184361	49.986	ng	100
54) 2,4-Dinitrophenol	10.022	184	68752	47.214	ng	98
55) Dibenzofuran	10.169	168	974240	46.545	ng	99
56) 4-Nitrophenol	10.075	139	119993	51.748	ng	98
57) 2,4-Dinitrotoluene	10.145	165	221081	50.082	ng	99
58) Fluorene	10.510	166	727083	45.217	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.286	232	190929	50.205	ng	98
60) Diethylphthalate	10.381	149	710763	45.793	ng	99
61) 4-Chlorophenyl-phenyle...	10.498	204	371115	46.681	ng	98
62) 4-Nitroaniline	10.528	138	166617	48.306	ng	99
63) Azobenzene	10.663	77	736604	46.957	ng	99
65) 4,6-Dinitro-2-methylph...	10.557	198	107140	51.921	ng	97
66) n-Nitrosodiphenylamine	10.616	169	623583	47.953	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	231927	49.109	ng	99
68) Hexachlorobenzene	11.063	284	241672	48.135	ng	99
69) Atrazine	11.139	200	184670	48.552	ng	99
70) Pentachlorophenol	11.257	266	116662	52.337	ng	99
71) Phenanthrene	11.475	178	1007589	46.525	ng	100
72) Anthracene	11.528	178	1024065	46.817	ng	99
73) Carbazole	11.675	167	848940	45.888	ng	99
74) Di-n-butylphthalate	12.004	149	850780	46.180	ng	100
75) Fluoranthene	12.663	202	844131	43.866	ng	99
77) Benzidine	12.775	184	261682	43.448	ng	99
78) Pyrene	12.892	202	849028	45.913	ng	99
80) Butylbenzylphthalate	13.498	149	239484	52.286	ng	99
81) Benzo(a)anthracene	14.074	228	644570	47.587	ng	99
82) 3,3'-Dichlorobenzidine	14.033	252	205554	51.831	ng	100
83) Chrysene	14.110	228	614856	49.101	ng	99
84) Bis(2-ethylhexyl)phtha...	14.057	149	364131	55.980	ng	99
85) Di-n-octyl phthalate	14.669	149	733517	55.599	ng	100
87) Indeno(1,2,3-cd)pyrene	17.098	276	1072706	48.845	ng	100
88) Benzo(b)fluoranthene	15.139	252	753963	48.035	ng	99
89) Benzo(k)fluoranthene	15.168	252	748201	48.329	ng	100
90) Benzo(a)pyrene	15.516	252	738784	49.418	ng	99
91) Dibenzo(a,h)anthracene	17.110	278	855766	48.523	ng	100
92) Benzo(g,h,i)perylene	17.557	276	863384	49.005	ng	99

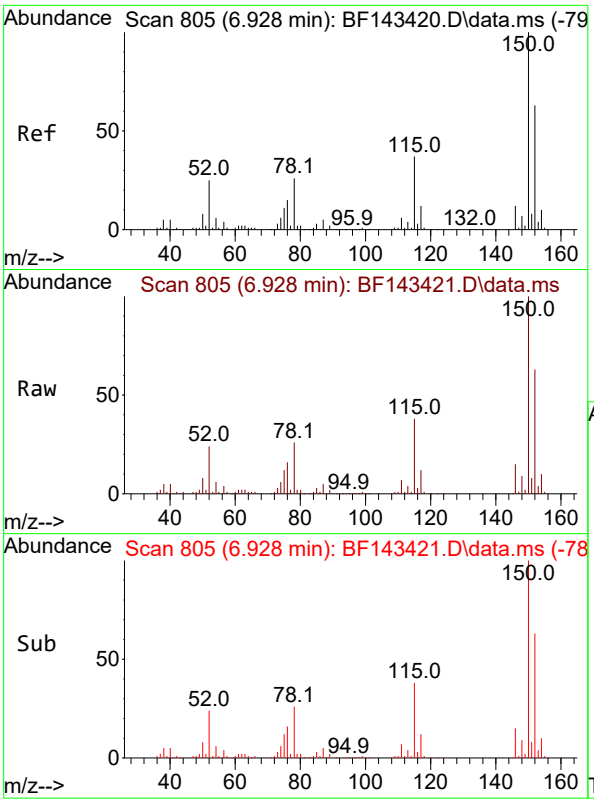
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143421.D
Acq On : 15 Aug 2025 16:58
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Aug 15 18:28:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration



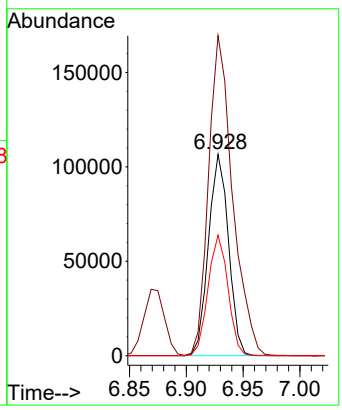


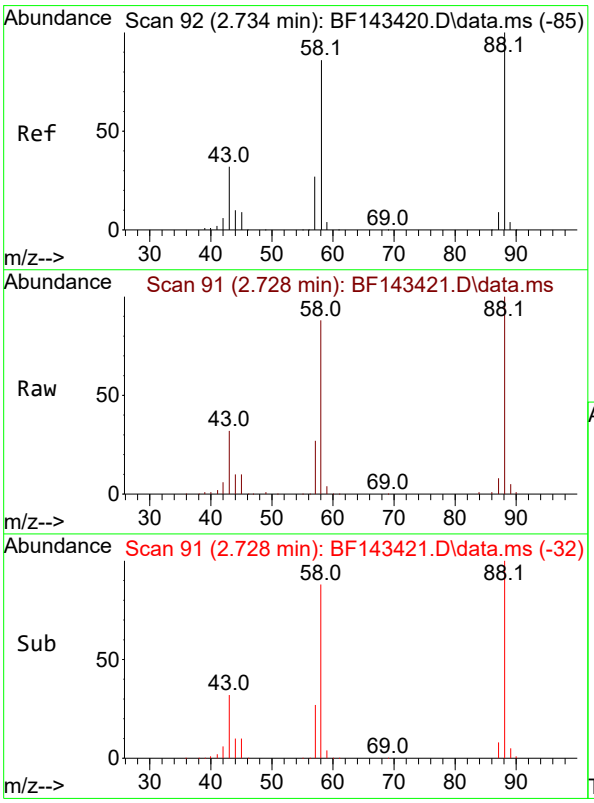
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 130868

Ion	Ratio	Lower	Upper
152	100		
150	159.0	127.4	191.2
115	59.8	47.5	71.3

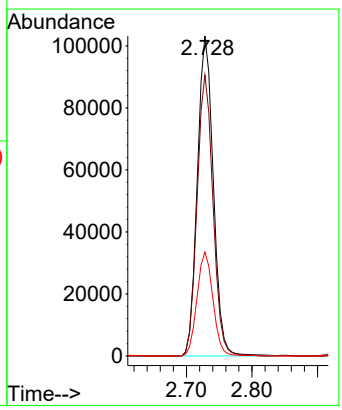


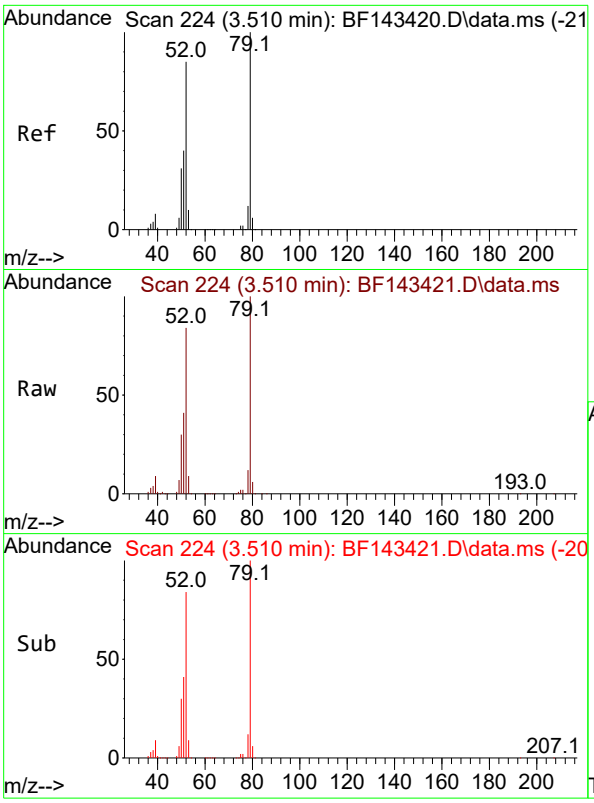


#2
1,4-Dioxane
Concen: 48.412 ng
RT: 2.728 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion: 88 Resp: 175435

Ion	Ratio	Lower	Upper
88	100		
58	87.4	68.7	103.1
43	32.4	26.1	39.1



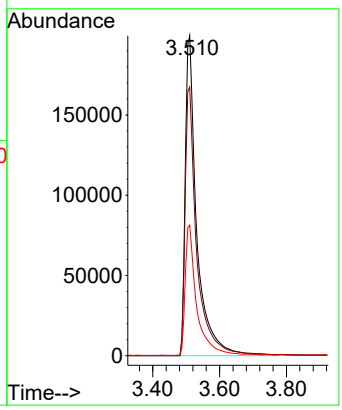


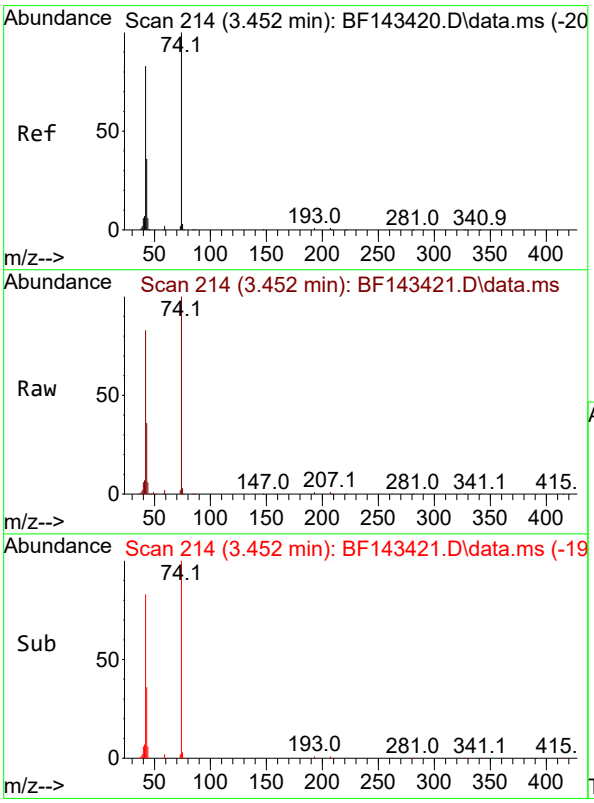
#3
Pyridine
Concen: 50.361 ng
RT: 3.510 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 478644

Ion	Ratio	Lower	Upper
79	100		
52	84.0	67.7	101.5
51	40.8	32.3	48.5

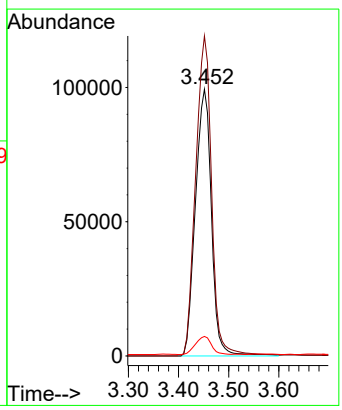


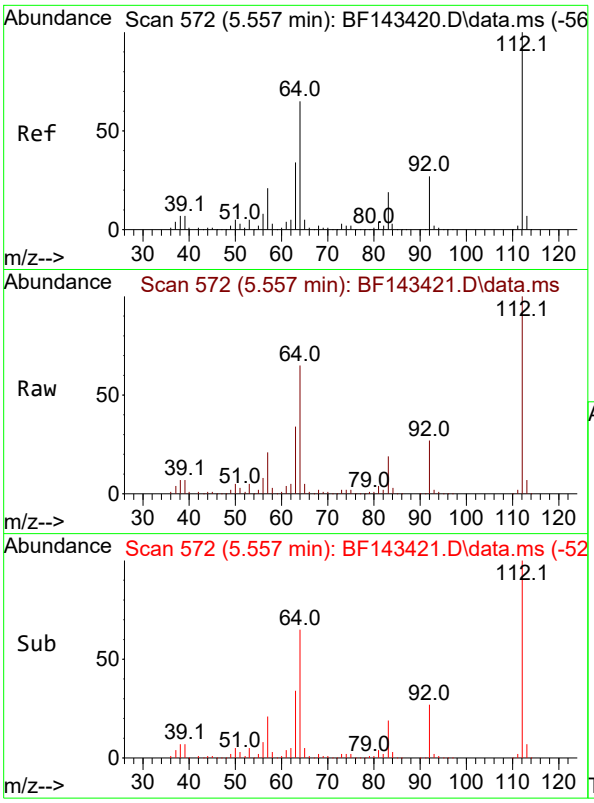


#4
n-Nitrosodimethylamine
Concen: 49.920 ng
RT: 3.452 min Scan# 214
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion: 42 Resp: 220531

Ion	Ratio	Lower	Upper
42	100		
74	119.9	96.2	144.4
44	7.3	5.9	8.9



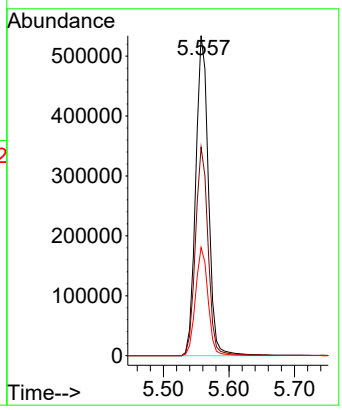


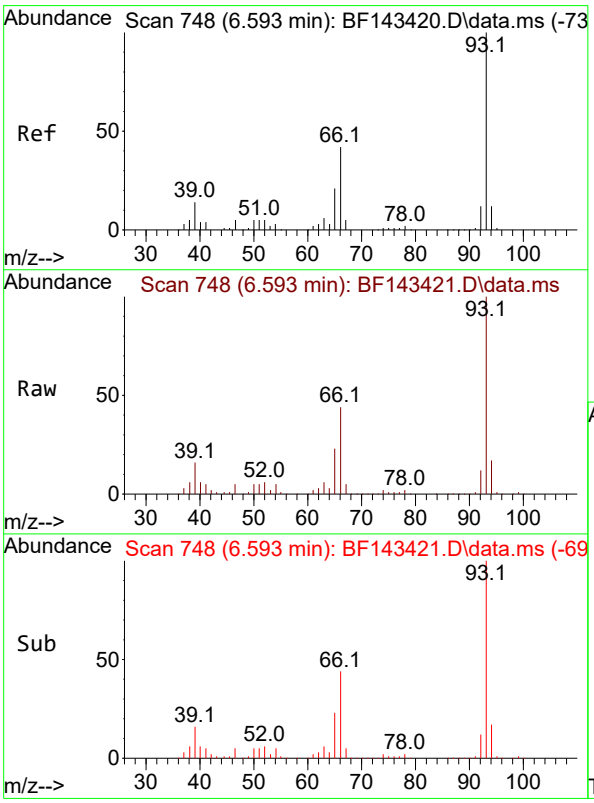
#5
2-Fluorophenol
Concen: 95.722 ng
RT: 5.557 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 720631

Ion	Ratio	Lower	Upper
112	100		
64	65.2	52.2	78.2
63	33.8	27.0	40.6

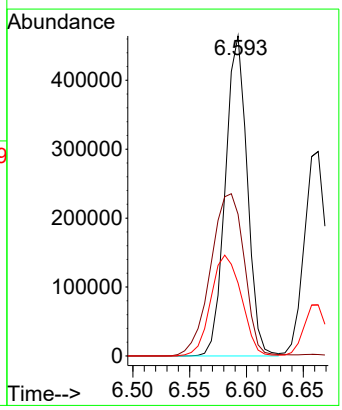


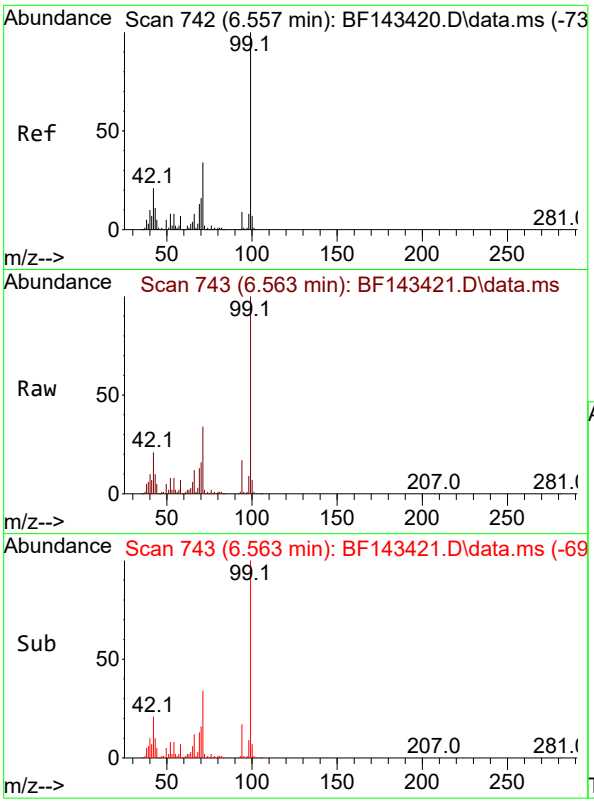


#6
Aniline
Concen: 48.357 ng
RT: 6.593 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion: 93 Resp: 622834

Ion	Ratio	Lower	Upper
93	100		
66	44.3	33.8	50.8
65	22.8	17.2	25.8



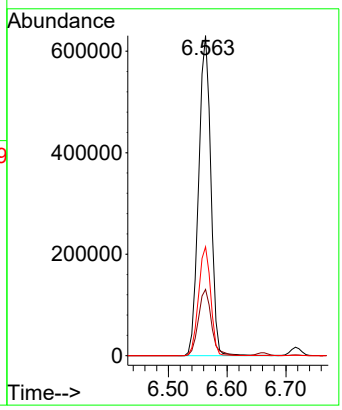


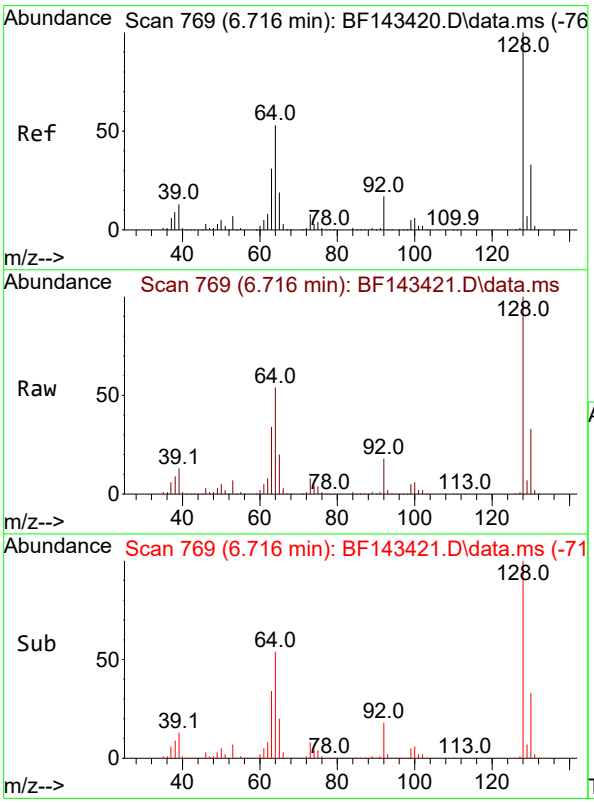
#7
Phenol-d6
Concen: 95.393 ng
RT: 6.563 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 905039

Ion	Ratio	Lower	Upper
99	100		
42	20.7	17.0	25.6
71	34.0	27.4	41.2

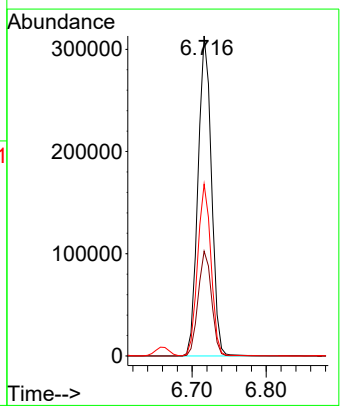


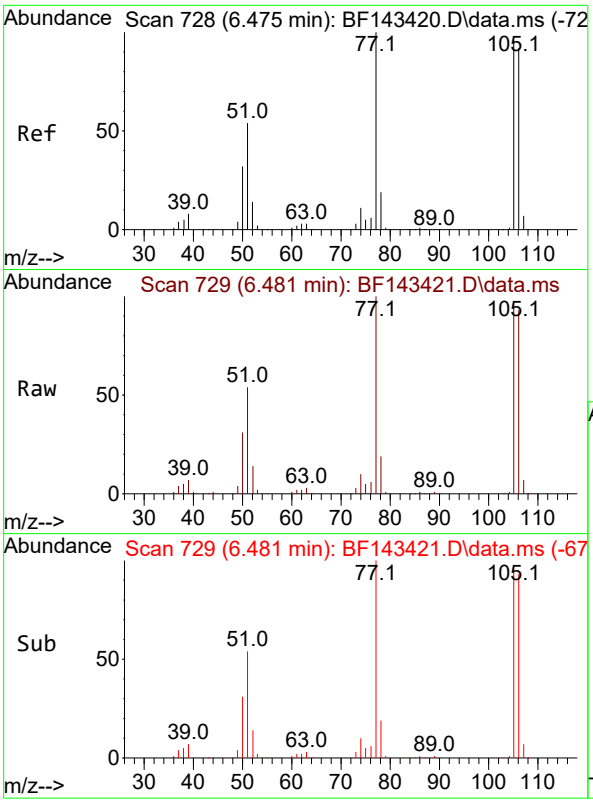


#8
2-Chlorophenol
Concen: 47.611 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:128 Resp: 395716

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.9	52.9
64	53.7	33.1	73.1



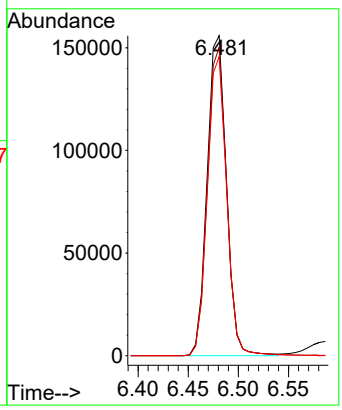


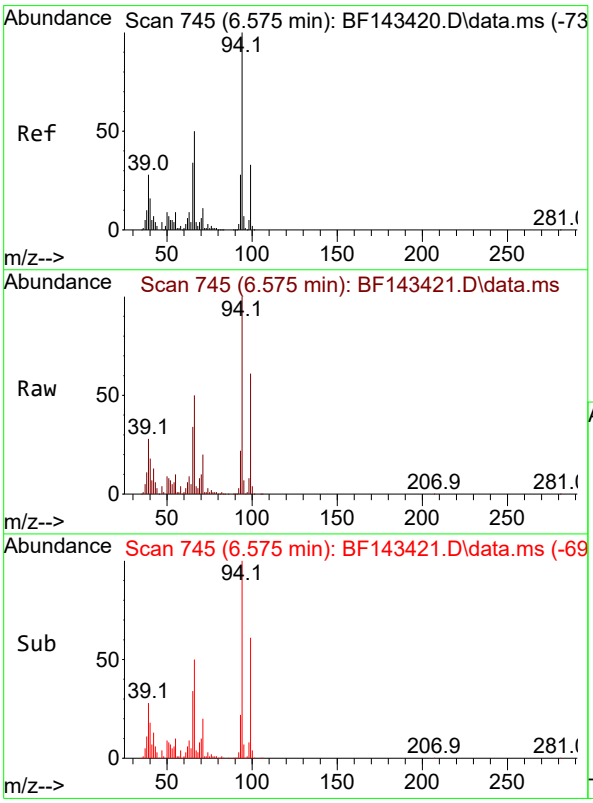
#9
Benzaldehyde
Concen: 41.304 ng
RT: 6.481 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 208469

Ion	Ratio	Lower	Upper
77	100		
105	96.3	75.5	115.5
106	93.5	72.0	112.0

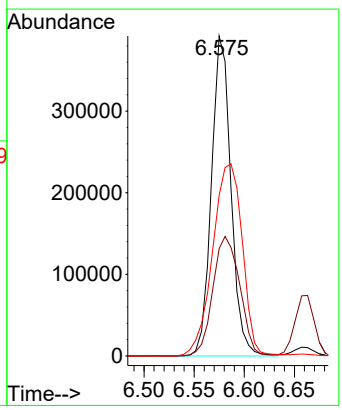


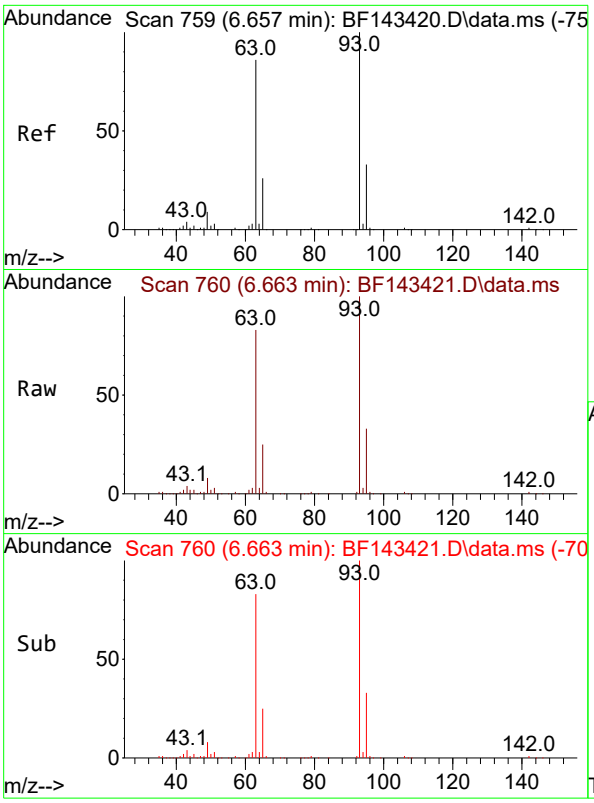


#10
Phenol
Concen: 47.954 ng
RT: 6.575 min Scan# 745
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion: 94 Resp: 530907

Ion	Ratio	Lower	Upper
94	100		
65	33.5	13.7	53.7
66	50.2	30.3	70.3



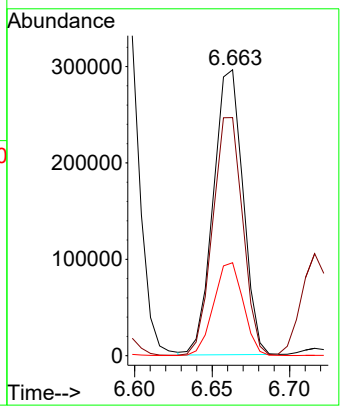


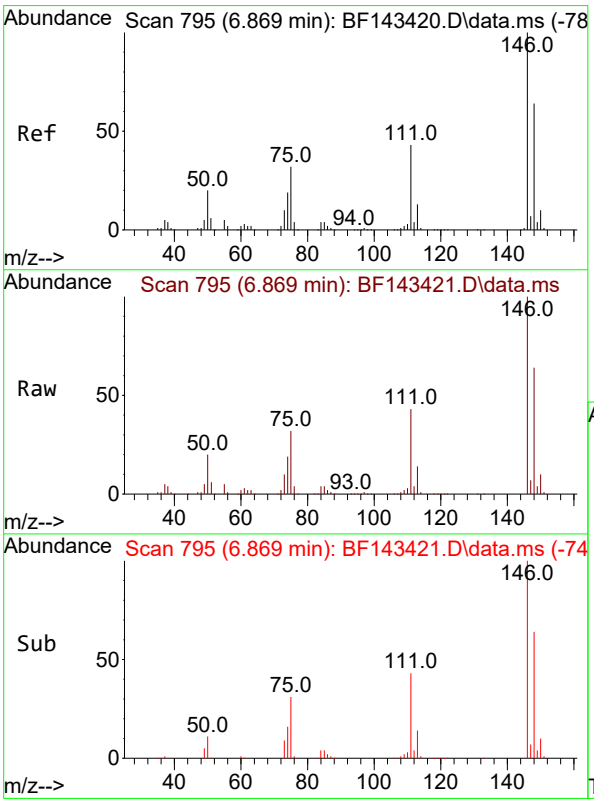
#11
bis(2-Chloroethyl)ether
Concen: 48.110 ng
RT: 6.663 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 394817

Ion	Ratio	Lower	Upper
93	100		
63	83.3	65.4	105.4
95	32.5	12.8	52.8

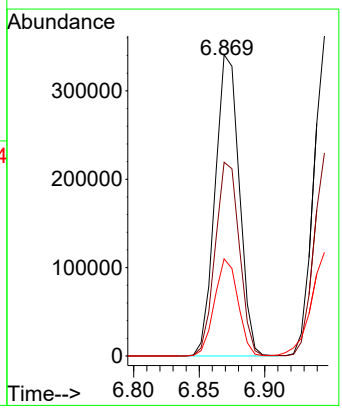


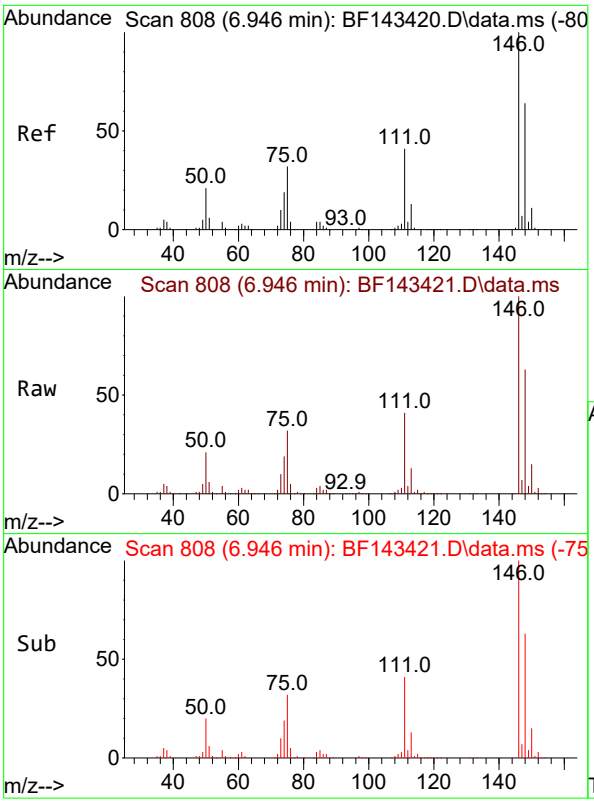


#12
1,3-Dichlorobenzene
Concen: 46.843 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:146 Resp: 436132

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.0	76.4
75	32.2	25.3	37.9



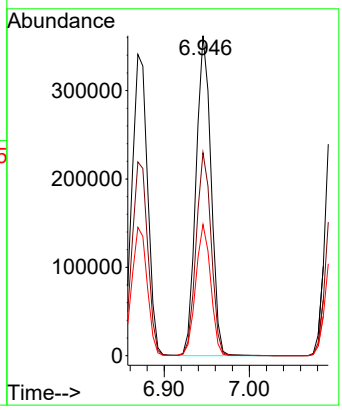


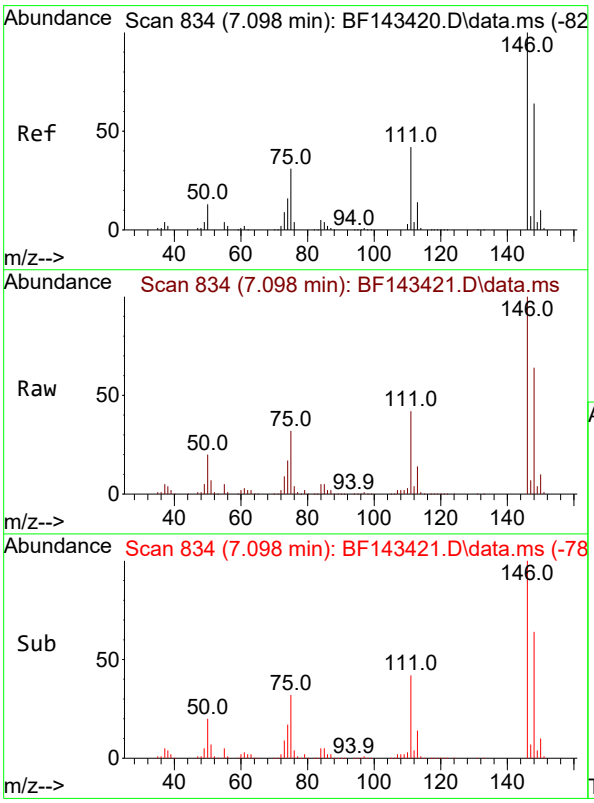
#13
1,4-Dichlorobenzene
Concen: 47.709 ng
RT: 6.946 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 443461

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.1	76.7
111	41.0	32.5	48.7

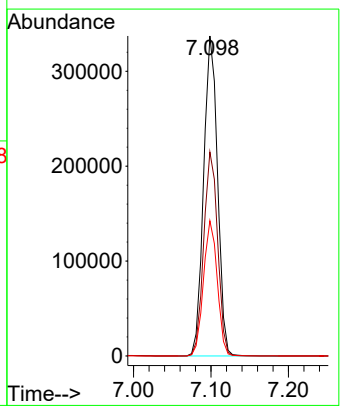


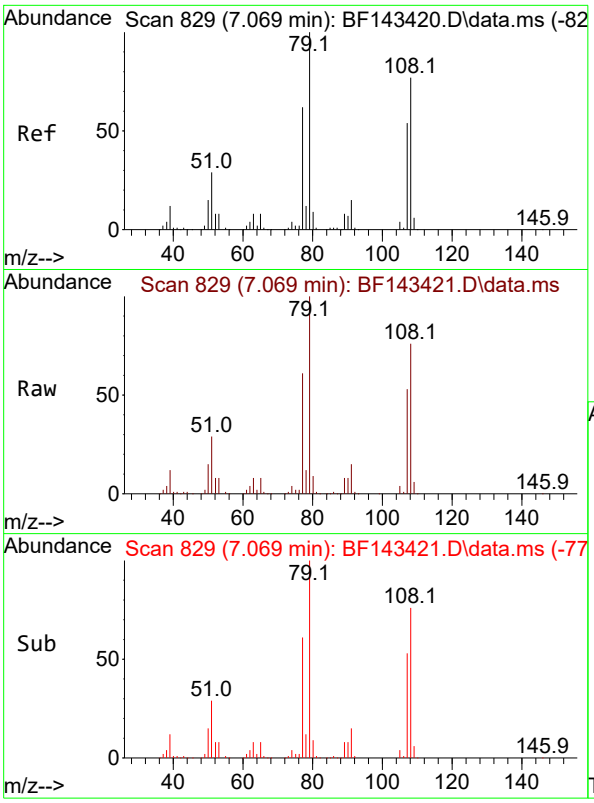


#14
1,2-Dichlorobenzene
Concen: 47.378 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:146 Resp: 420628

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.4	77.0
111	42.2	33.9	50.9



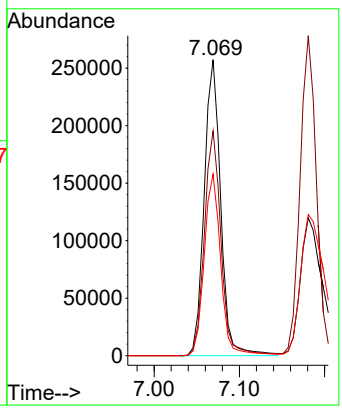


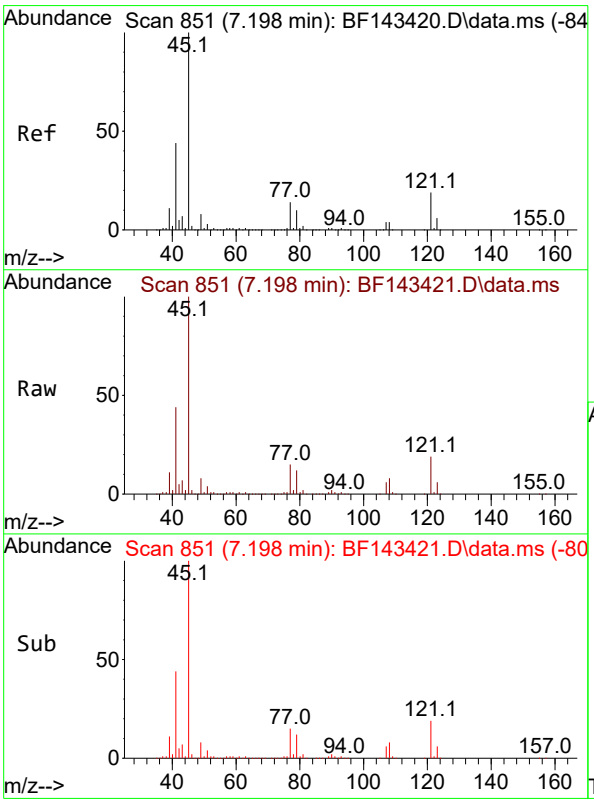
#15
Benzyl Alcohol
Concen: 49.533 ng
RT: 7.069 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 346568

Ion	Ratio	Lower	Upper
79	100		
108	75.9	61.9	92.9
77	61.4	49.2	73.8

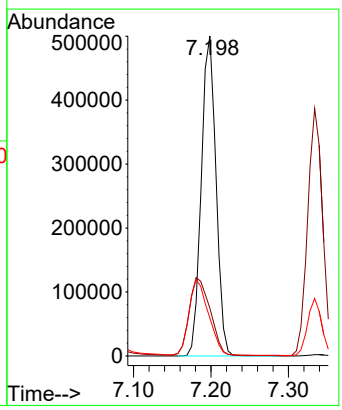


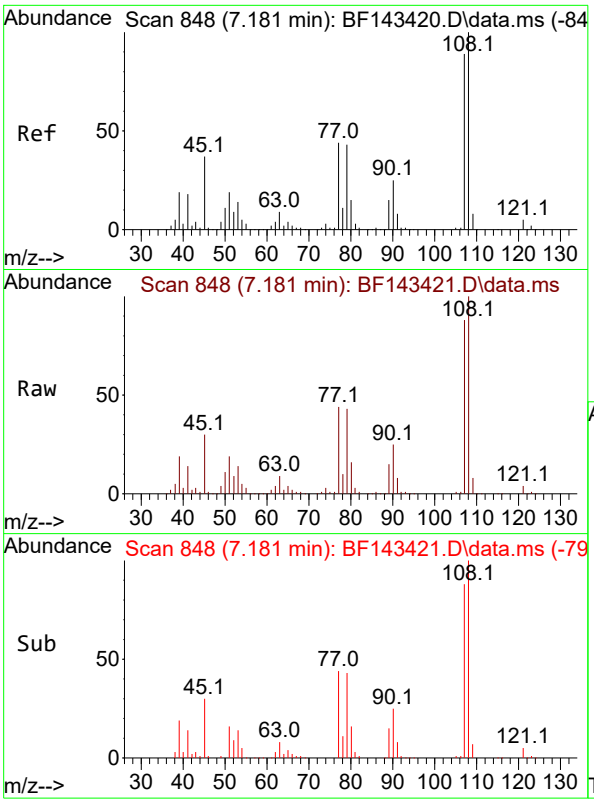


#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.969 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion: 45 Resp: 658959

Ion	Ratio	Lower	Upper
45	100		
77	15.0	0.0	33.9
79	11.9	0.0	30.7



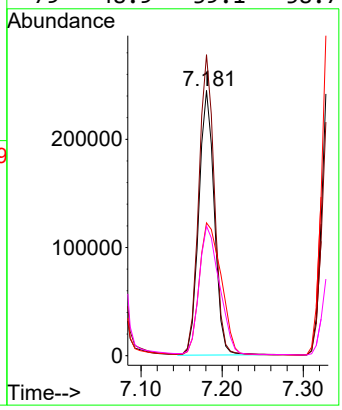


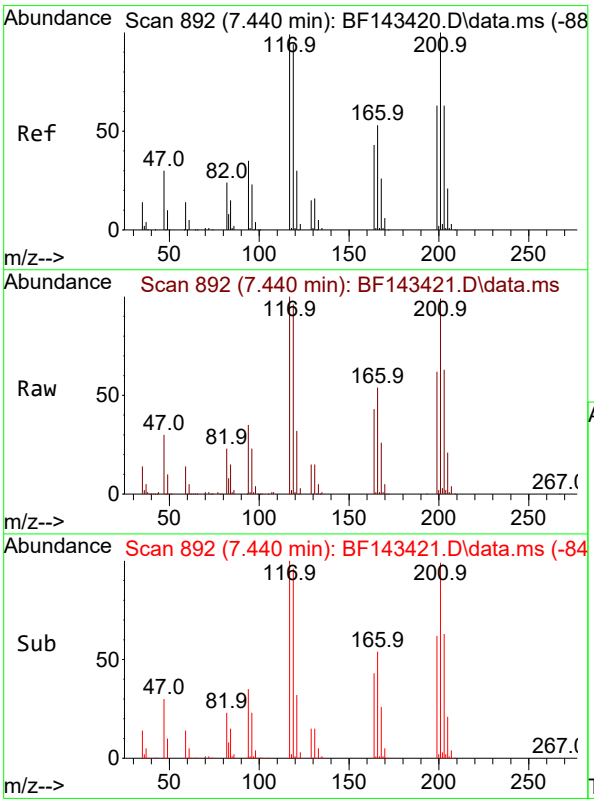
#17
2-Methylphenol
Concen: 47.736 ng
RT: 7.181 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 323714

Ion	Ratio	Lower	Upper
107	100		
108	113.6	90.1	135.1
77	50.1	39.9	59.9
79	48.9	39.1	58.7

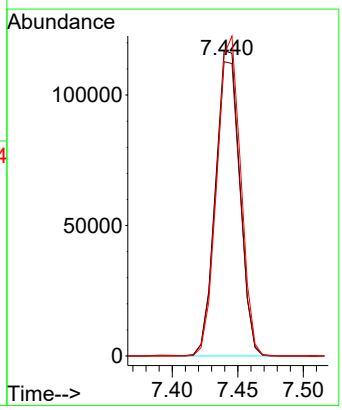


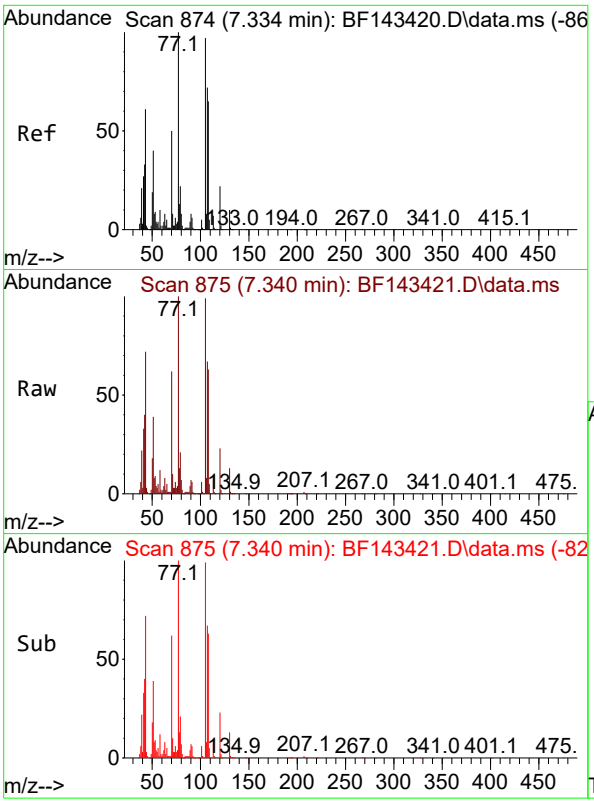


#18
Hexachloroethane
Concen: 47.703 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:117 Resp: 150926

Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.6	114.8
201	98.6	81.0	121.4



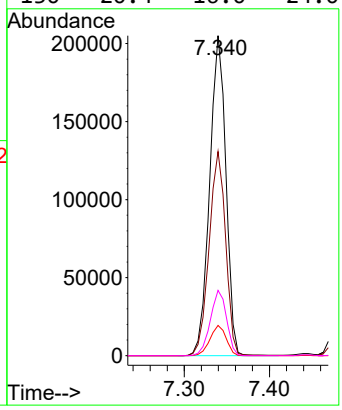


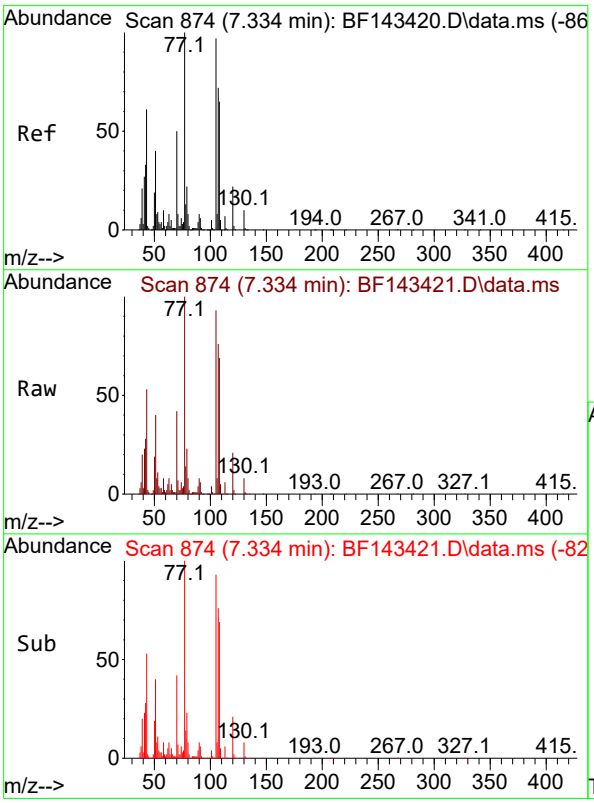
#19
n-Nitroso-di-n-propylamine
Concen: 46.269 ng
RT: 7.340 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 271764

Ion	Ratio	Lower	Upper
70	100		
42	63.8	52.5	78.7
101	9.5	7.9	11.9
130	20.4	16.0	24.0

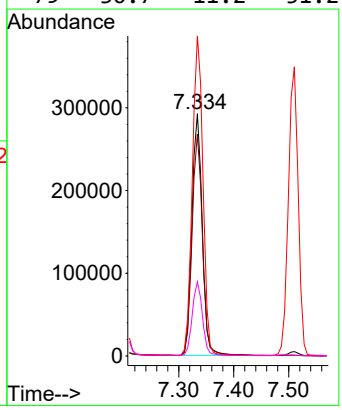


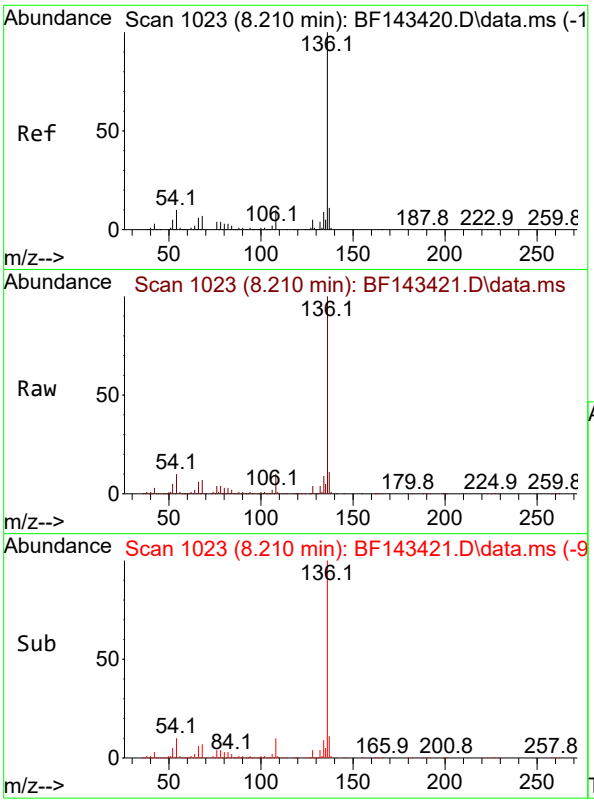


#20
3+4-Methylphenols
Concen: 47.097 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:107 Resp: 381880

Ion	Ratio	Lower	Upper
107	100		
108	91.6	70.8	110.8
77	132.1	119.1	159.1
79	30.7	11.2	51.2



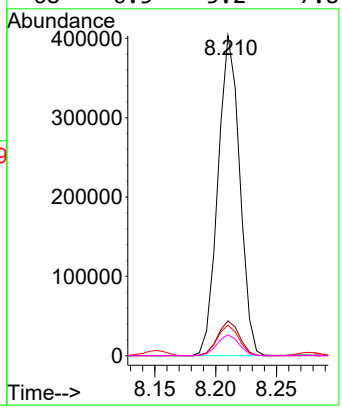


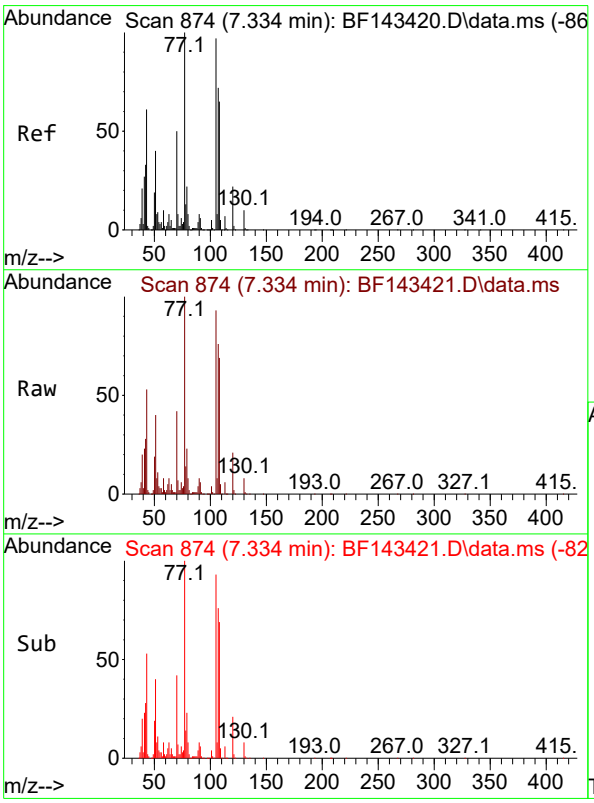
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 501440

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	9.6	7.8	11.8
68	6.5	5.2	7.8

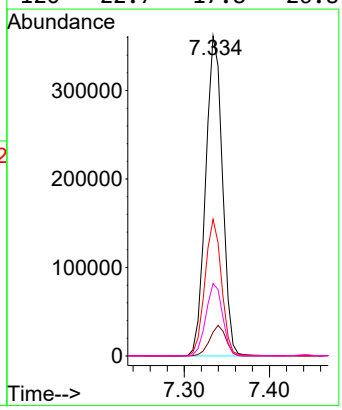


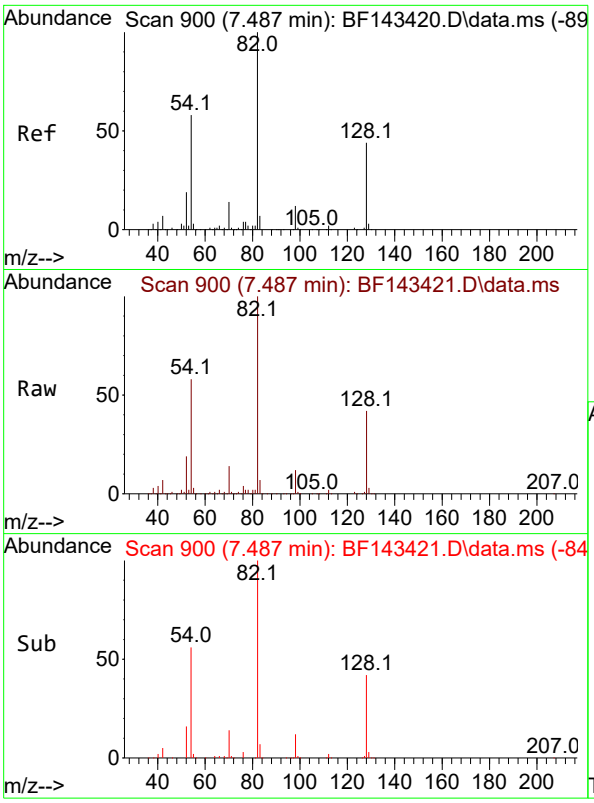


#22
Acetophenone
Concen: 45.903 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:105 Resp: 494892

Ion	Ratio	Lower	Upper
105	100		
71	7.5	7.0	10.4
51	42.7	32.7	49.1
120	22.7	17.8	26.8



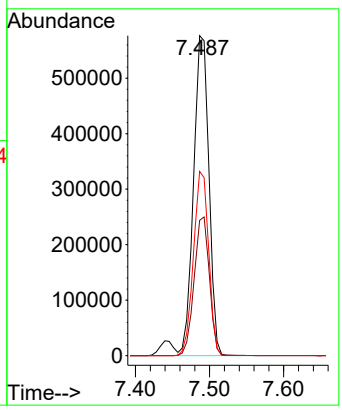


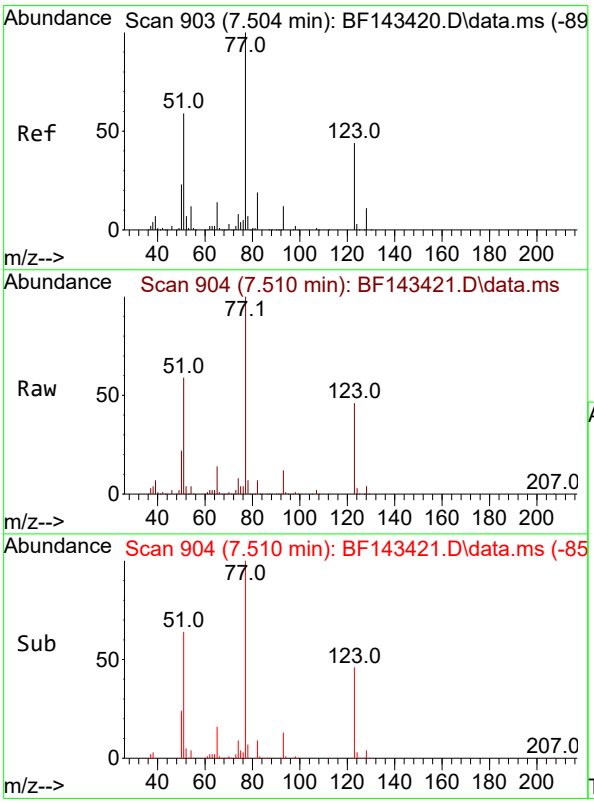
#23
Nitrobenzene-d5
Concen: 97.821 ng
RT: 7.487 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 826629

Ion	Ratio	Lower	Upper
82	100		
128	42.3	34.6	52.0
54	57.6	46.0	69.0

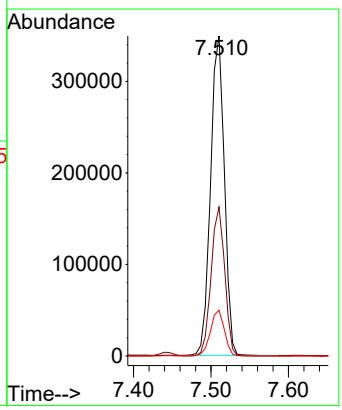


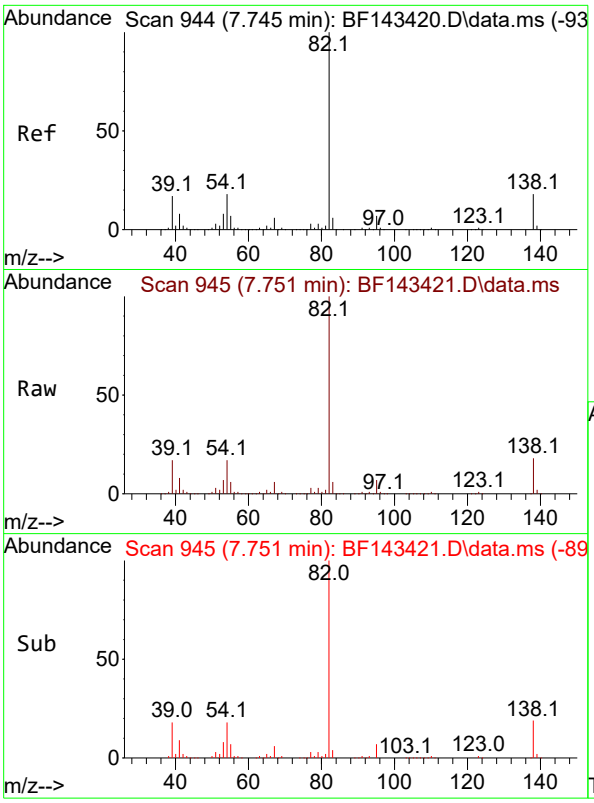


#24
Nitrobenzene
Concen: 49.019 ng
RT: 7.510 min Scan# 904
Delta R.T. 0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion: 77 Resp: 432934

Ion	Ratio	Lower	Upper
77	100		
123	46.5	35.4	53.0
65	14.3	11.2	16.8



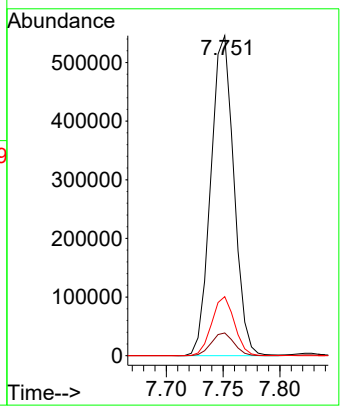


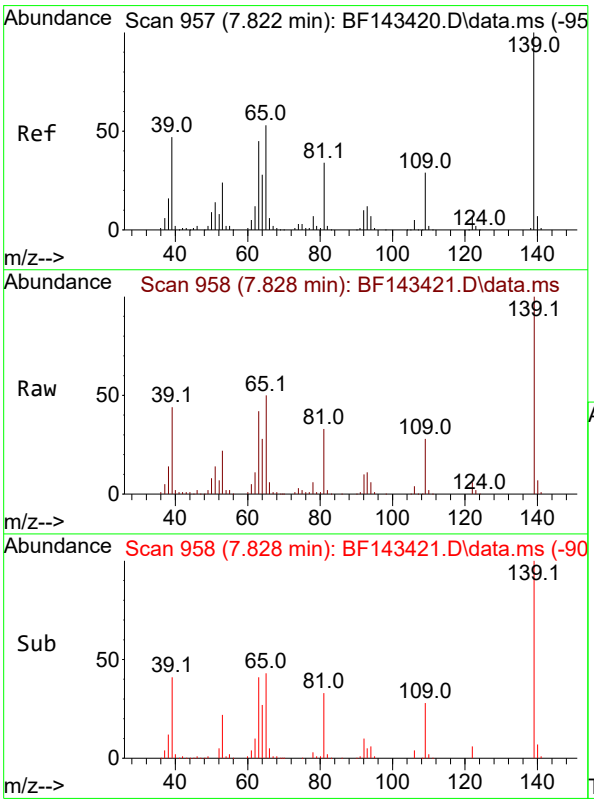
#25
Isophorone
Concen: 47.682 ng
RT: 7.751 min Scan# 94
Delta R.T. 0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 771184

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.6	8.4
138	18.5	14.3	21.5

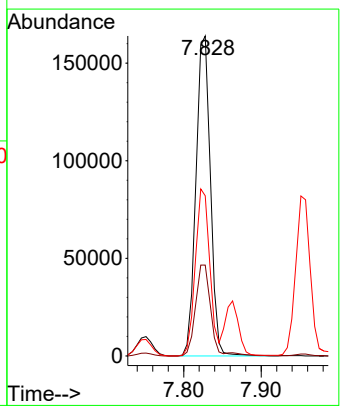


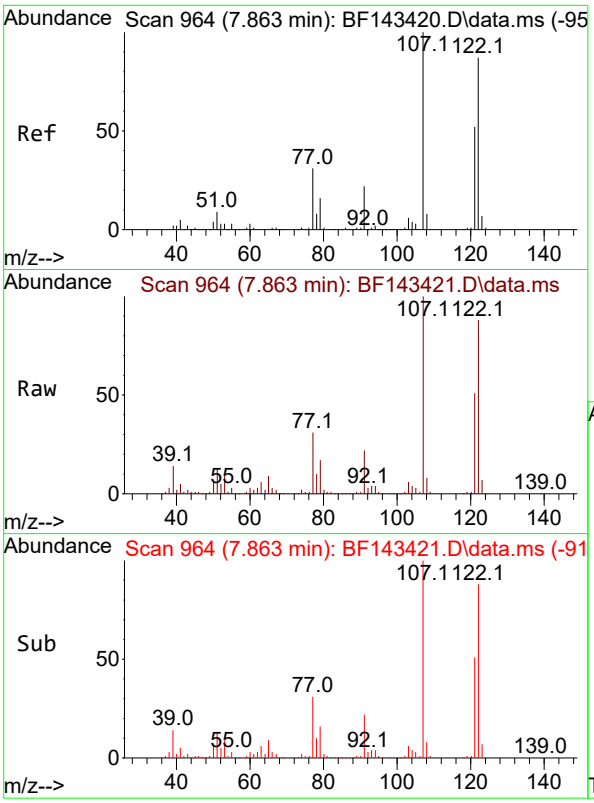


#26
2-Nitrophenol
Concen: 51.944 ng
RT: 7.828 min Scan# 958
Delta R.T. 0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:139 Resp: 212674

Ion	Ratio	Lower	Upper
139	100		
109	28.4	23.0	34.4
65	50.1	42.5	63.7



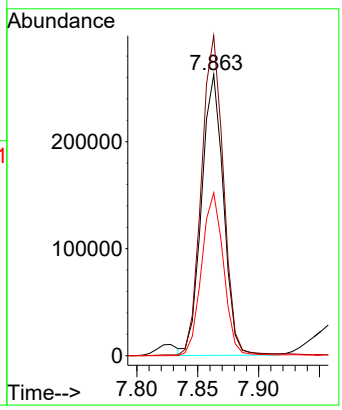


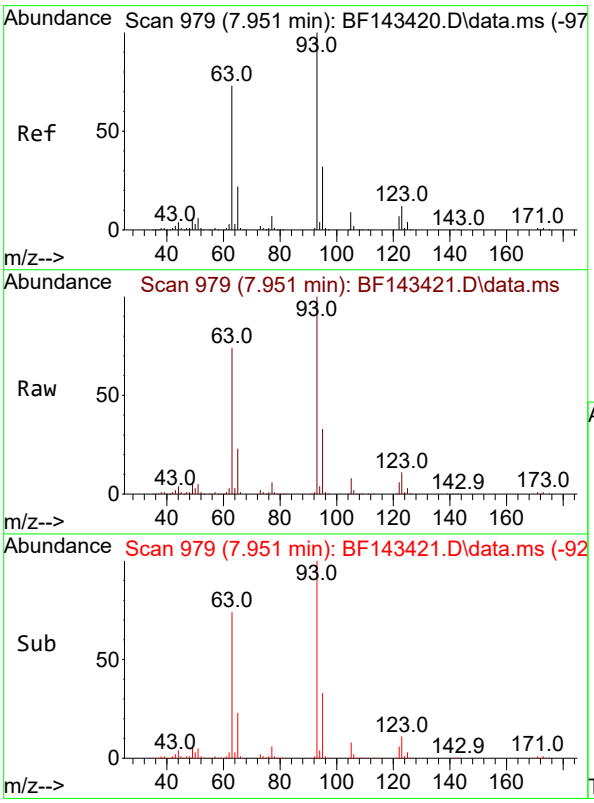
#27
2,4-Dimethylphenol
Concen: 47.397 ng
RT: 7.863 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 328110

Ion	Ratio	Lower	Upper
122	100		
107	113.8	90.4	135.6
121	57.9	46.7	70.1

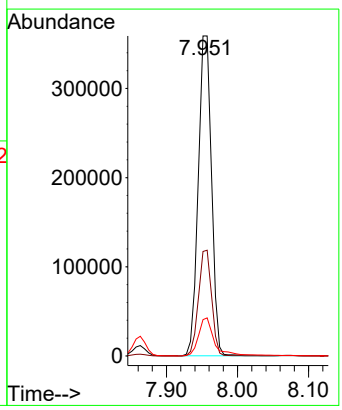


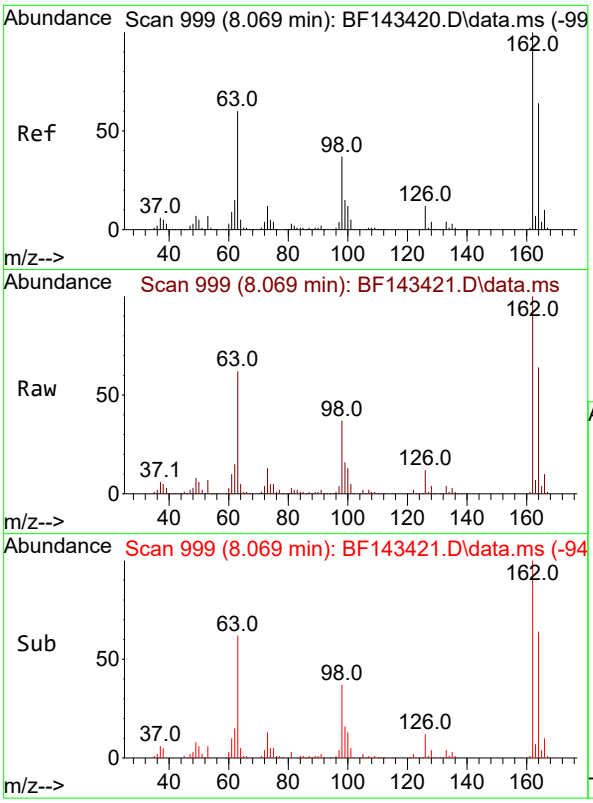


#28
bis(2-Chloroethoxy)methane
Concen: 47.135 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion: 93 Resp: 468573

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.0	39.0
123	11.4	9.5	14.3



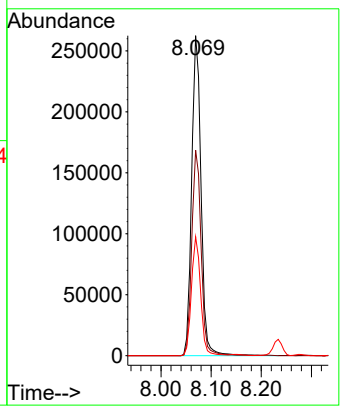


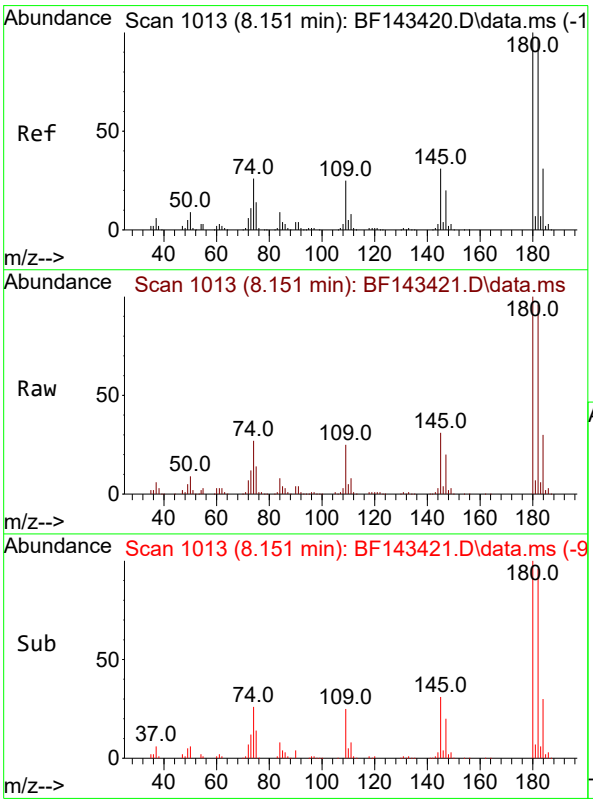
#29
2,4-Dichlorophenol
Concen: 48.167 ng
RT: 8.069 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 339906

Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.3	84.3
98	37.1	16.9	56.9

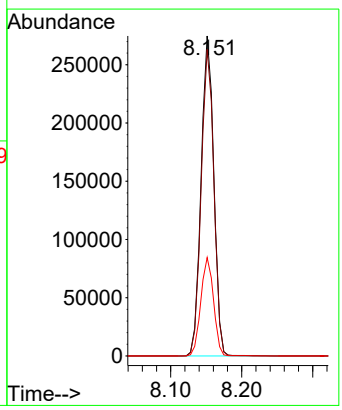


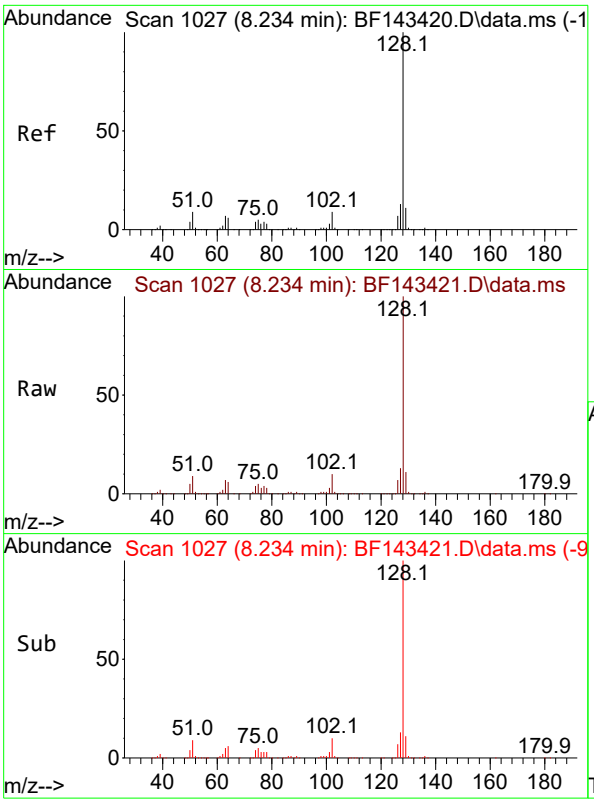


#30
1,2,4-Trichlorobenzene
Concen: 47.443 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:180 Resp: 343045

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.7	115.1
145	30.7	24.5	36.7



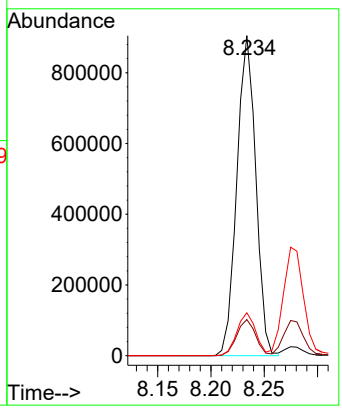


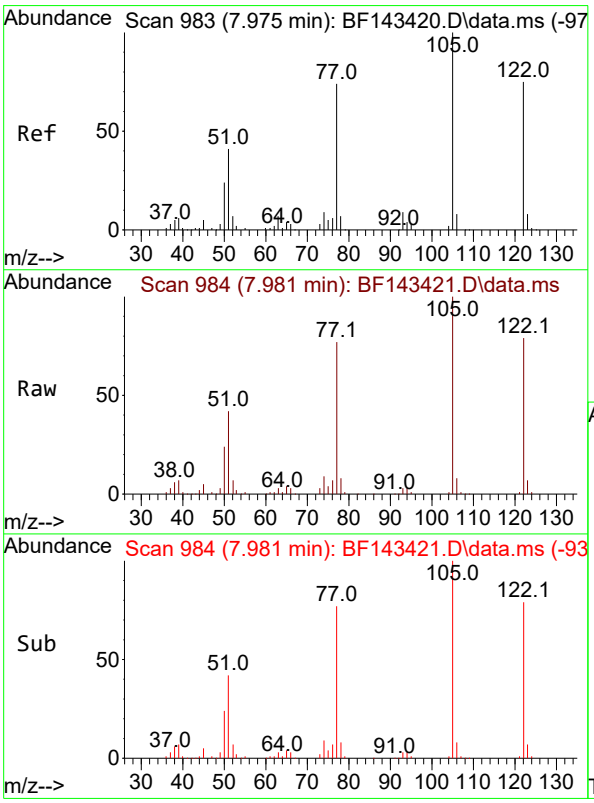
#31
Naphthalene
Concen: 46.943 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 1117518

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.4	10.6	16.0

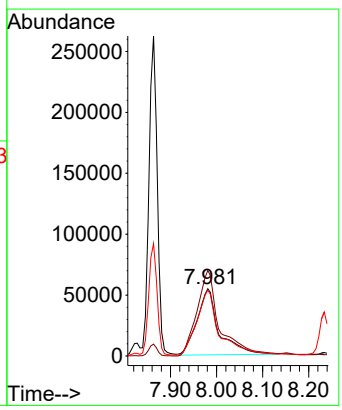


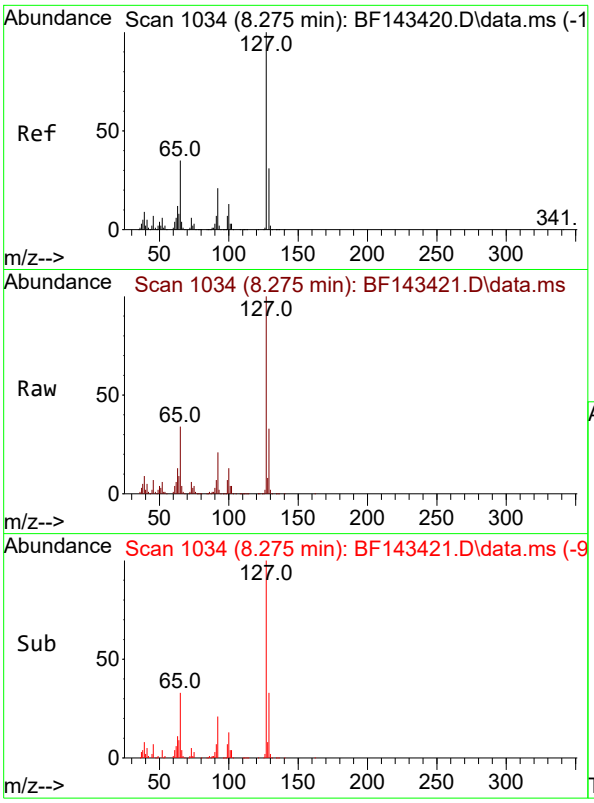


#32
Benzoic acid
Concen: 51.056 ng
RT: 7.981 min Scan# 984
Delta R.T. 0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:122 Resp: 182945

Ion	Ratio	Lower	Upper
122	100		
105	127.2	108.4	148.4
77	98.1	75.9	115.9



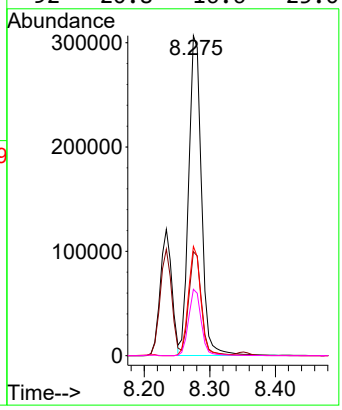


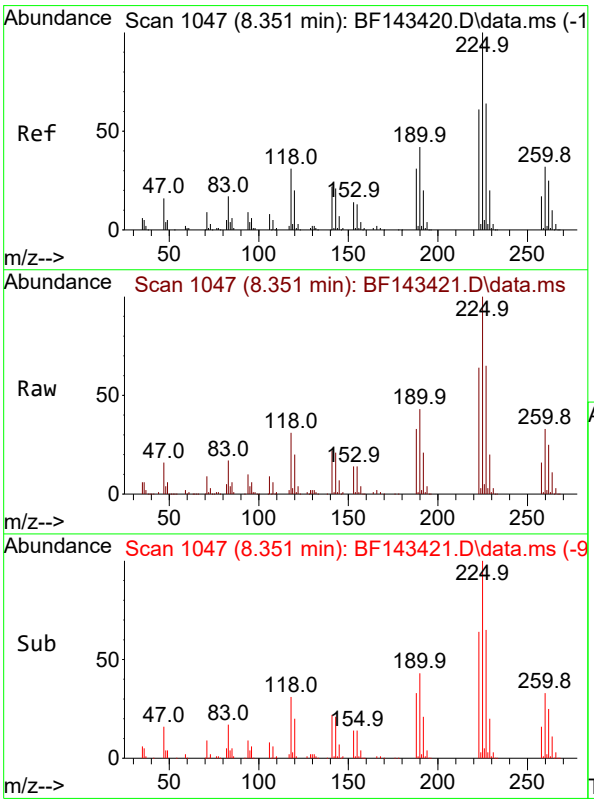
#33
4-Chloroaniline
Concen: 48.241 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 414537

Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.8	38.8
65	34.1	27.2	40.8
92	20.8	16.6	25.0

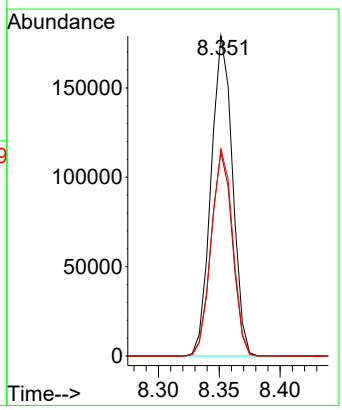


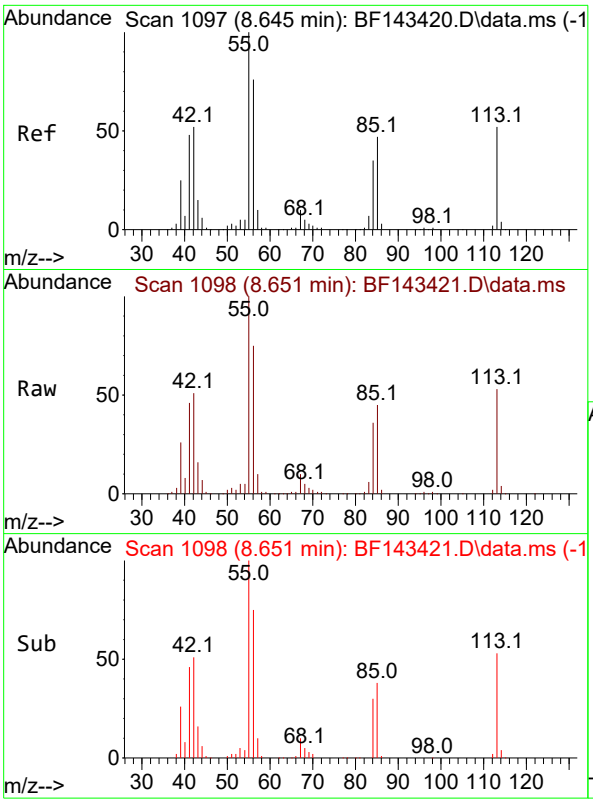


#34
Hexachlorobutadiene
Concen: 47.427 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:225 Resp: 218677

Ion	Ratio	Lower	Upper
225	100		
223	63.7	49.0	73.6
227	64.6	51.1	76.7



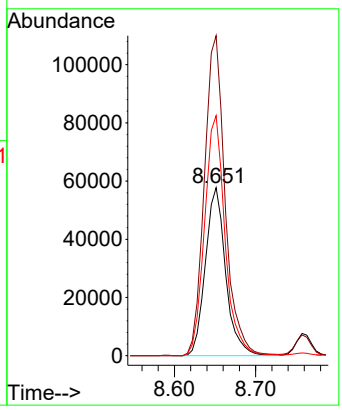


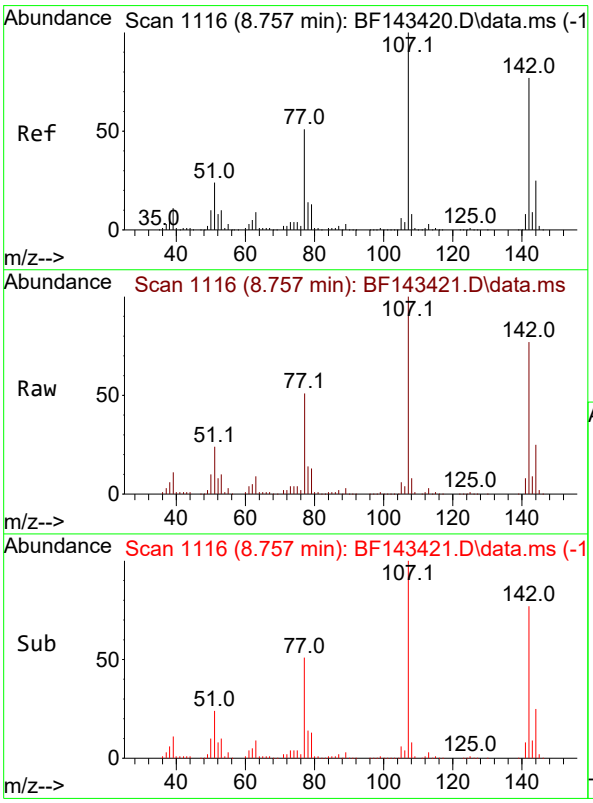
#35
Caprolactam
Concen: 49.321 ng
RT: 8.651 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 100206

Ion	Ratio	Lower	Upper
113	100		
55	190.4	174.7	214.7
56	142.8	127.0	167.0

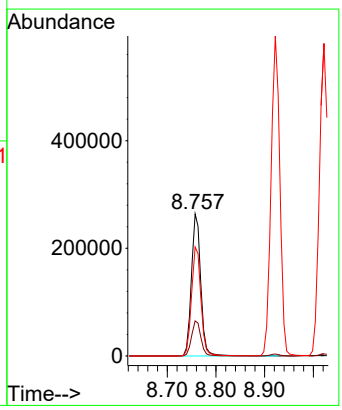


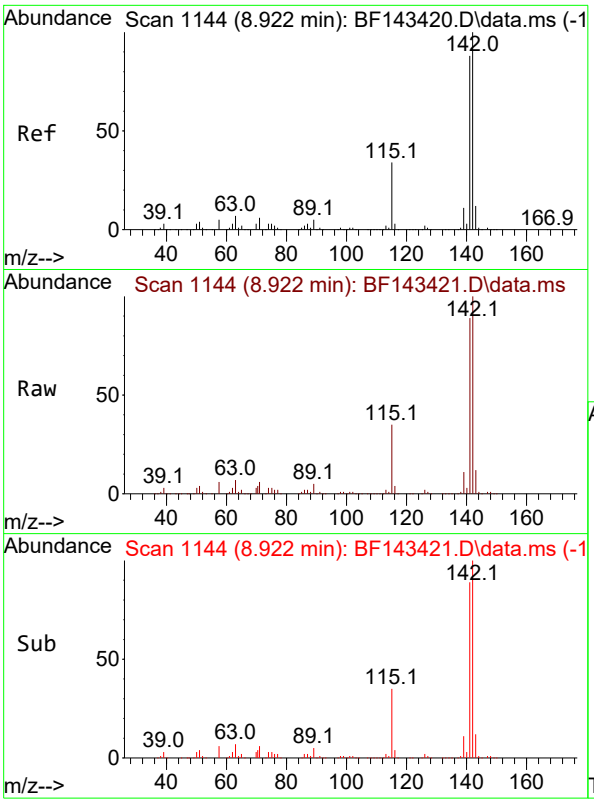


#36
4-Chloro-3-methylphenol
Concen: 48.562 ng
RT: 8.757 min Scan# 1116
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:107 Resp: 352945

Ion	Ratio	Lower	Upper
107	100		
144	24.7	20.2	30.2
142	76.7	62.0	93.0



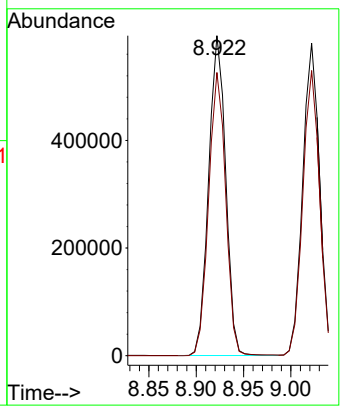


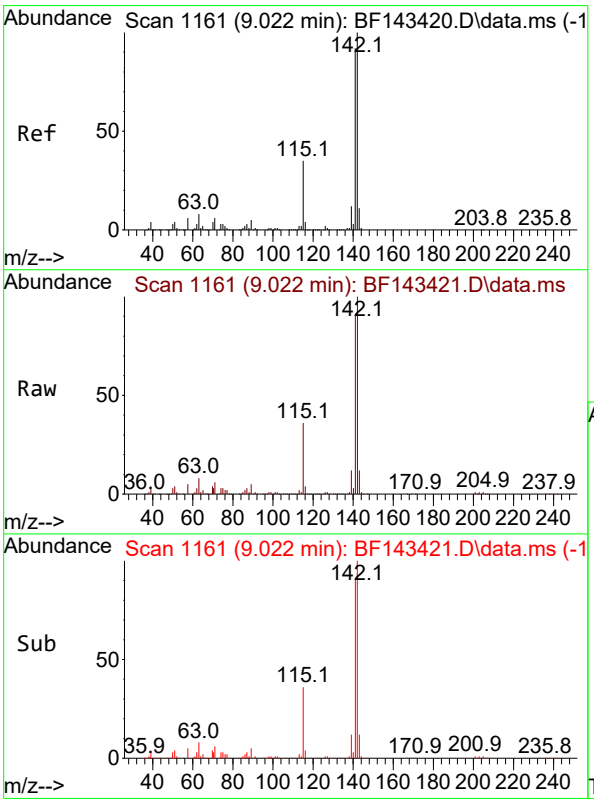
#37
2-Methylnaphthalene
Concen: 46.270 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 742483

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.3	105.5

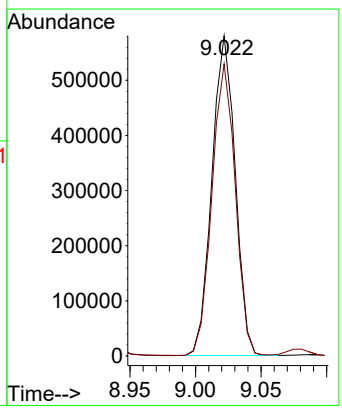


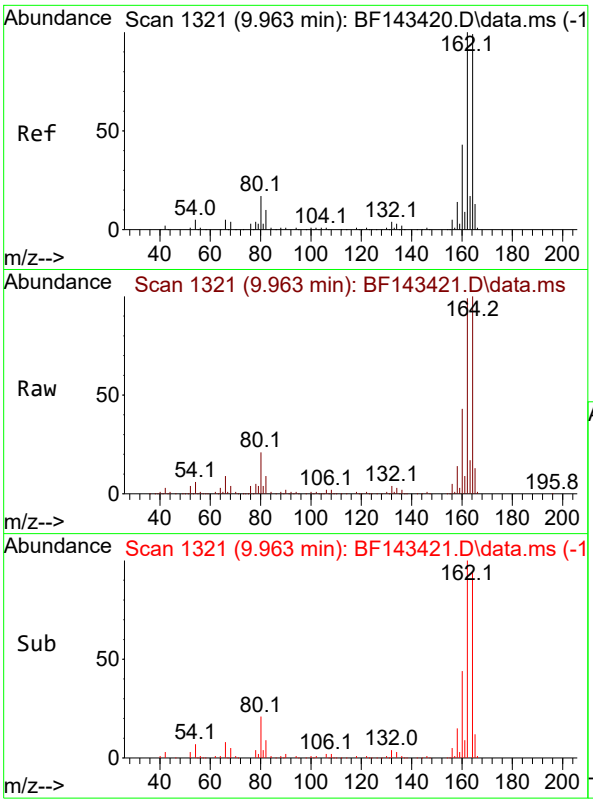


#38
1-Methylnaphthalene
Concen: 46.612 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:142 Resp: 716623

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.8	110.6



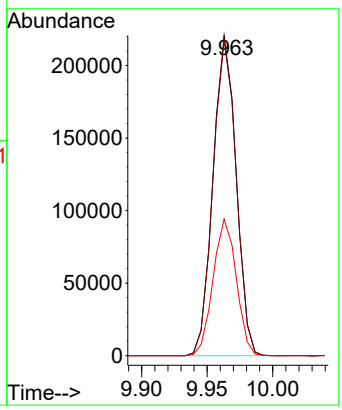


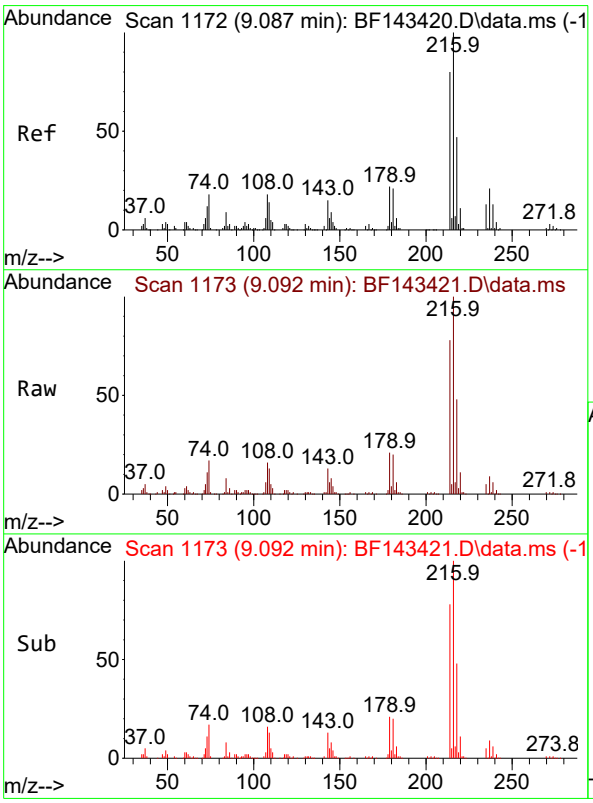
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 269402

Ion	Ratio	Lower	Upper
164	100		
162	98.6	80.6	121.0
160	42.7	34.6	51.8

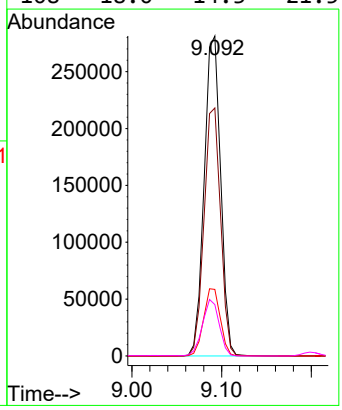


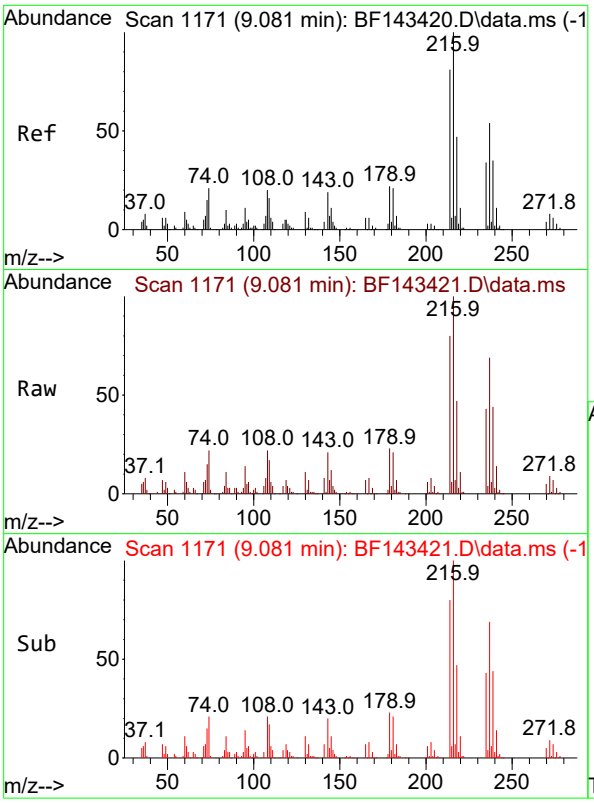


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.670 ng
RT: 9.092 min Scan# 1173
Delta R.T. 0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:216 Resp: 358160

Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.7	95.5
179	21.3	17.0	25.4
108	18.0	14.3	21.5



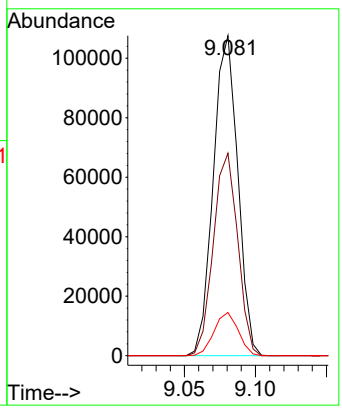


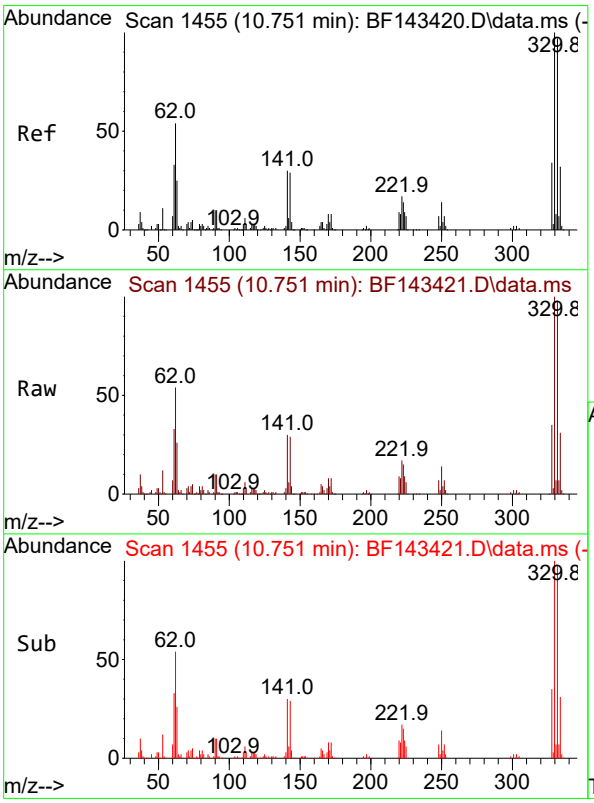
#41
Hexachlorocyclopentadiene
Concen: 49.794 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 129004

Ion	Ratio	Lower	Upper
237	100		
235	63.2	41.6	81.6
272	13.5	0.0	33.8

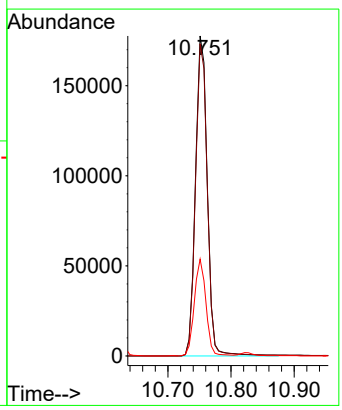


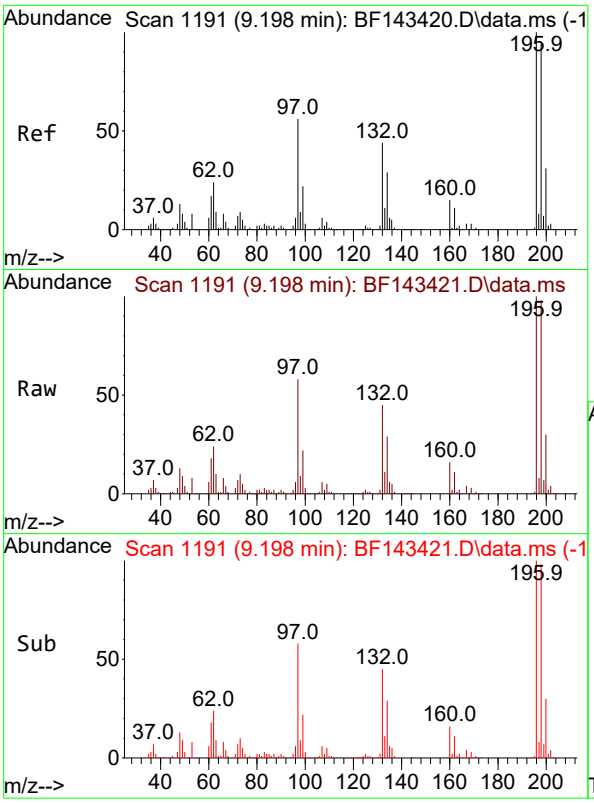


#42
2,4,6-Tribromophenol
Concen: 96.140 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:330 Resp: 230532

Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.4	116.2
141	29.9	24.1	36.1



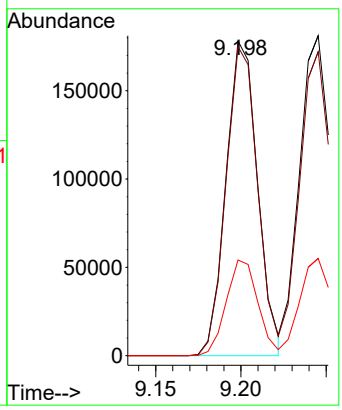


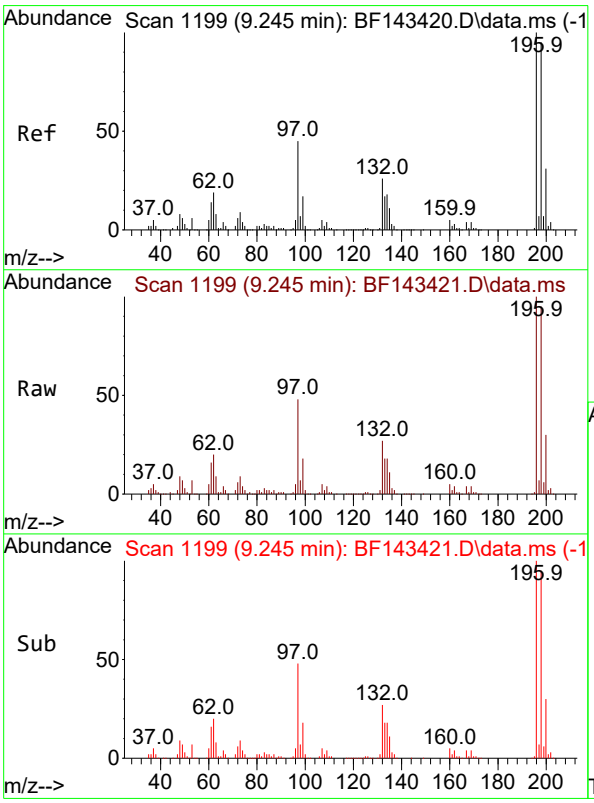
#43
2,4,6-Trichlorophenol
Concen: 49.030 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 229793

Ion	Ratio	Lower	Upper
196	100		
198	98.2	75.4	113.2
200	30.4	24.7	37.1

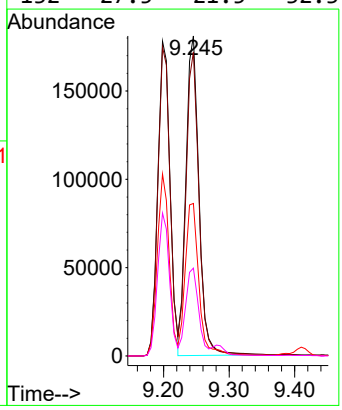


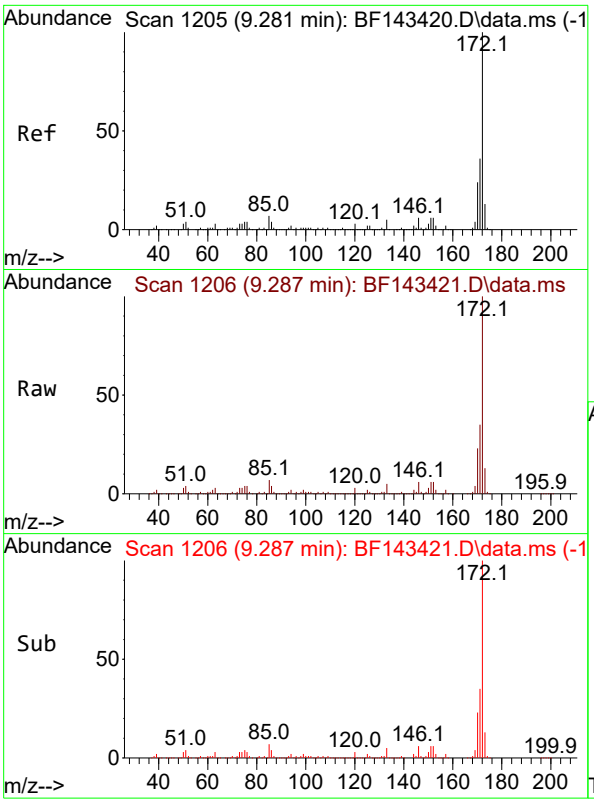


#44
2,4,5-Trichlorophenol
Concen: 49.630 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:196 Resp: 249336

Ion	Ratio	Lower	Upper
196	100		
198	95.0	76.2	114.4
97	47.7	36.6	55.0
132	27.5	21.5	32.3



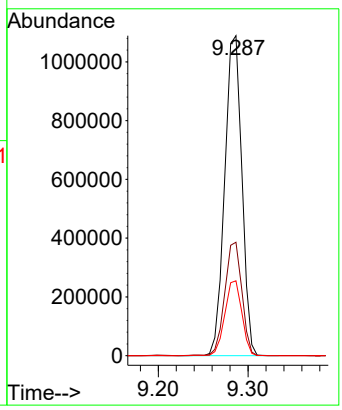


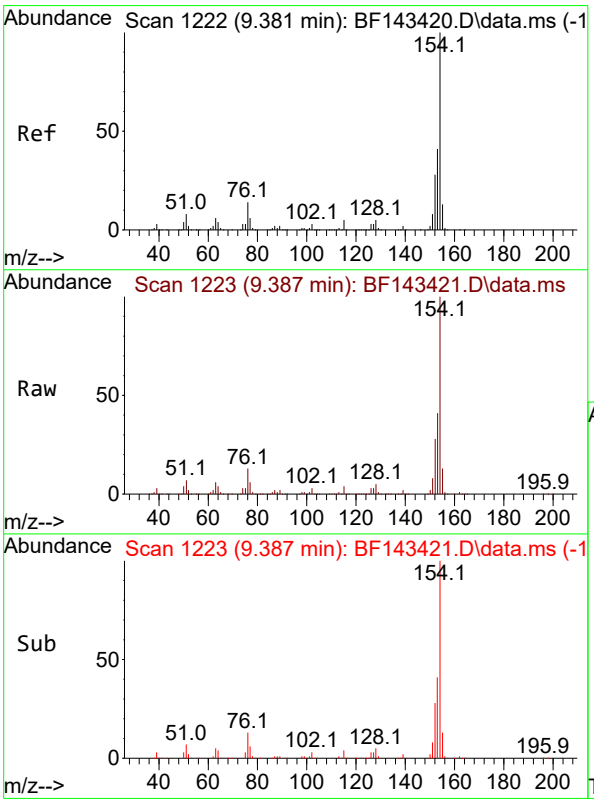
#45
2-Fluorobiphenyl
Concen: 90.305 ng
RT: 9.287 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 1446406

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.7	43.1
170	23.4	19.0	28.6

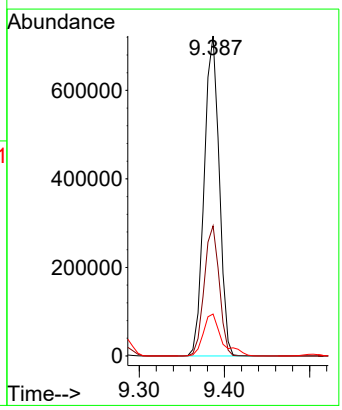


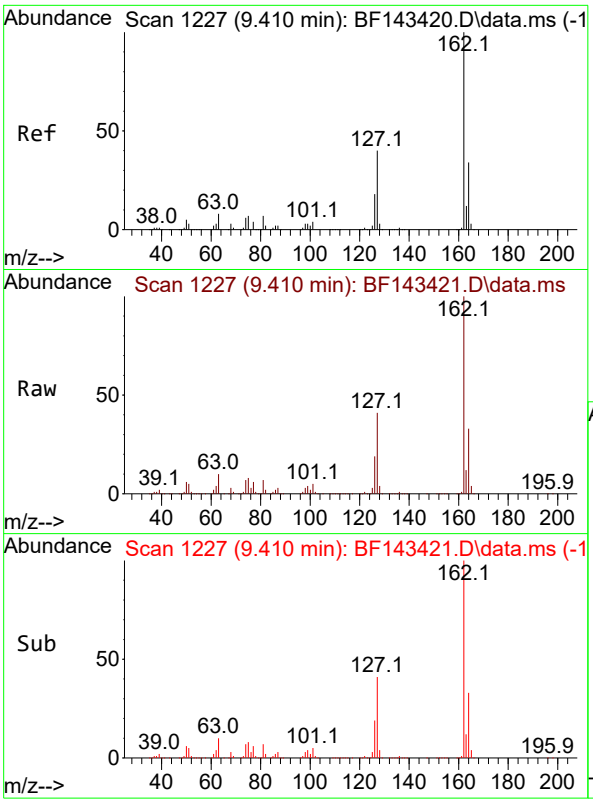


#46
1,1'-Biphenyl
Concen: 46.828 ng
RT: 9.387 min Scan# 1223
Delta R.T. 0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:154 Resp: 886393

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.6	60.6
76	13.1	0.0	33.8



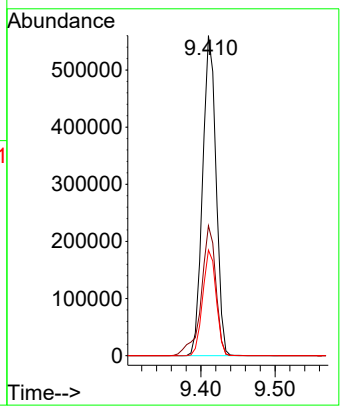


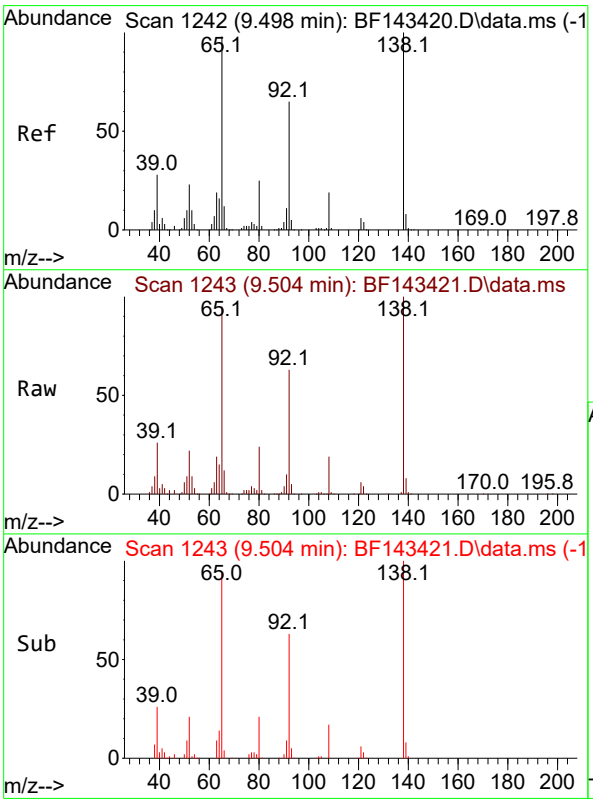
#47
2-Chloronaphthalene
Concen: 47.289 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 706570

Ion	Ratio	Lower	Upper
162	100		
127	40.6	32.3	48.5
164	33.0	26.9	40.3

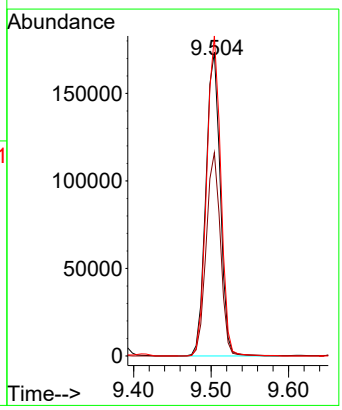


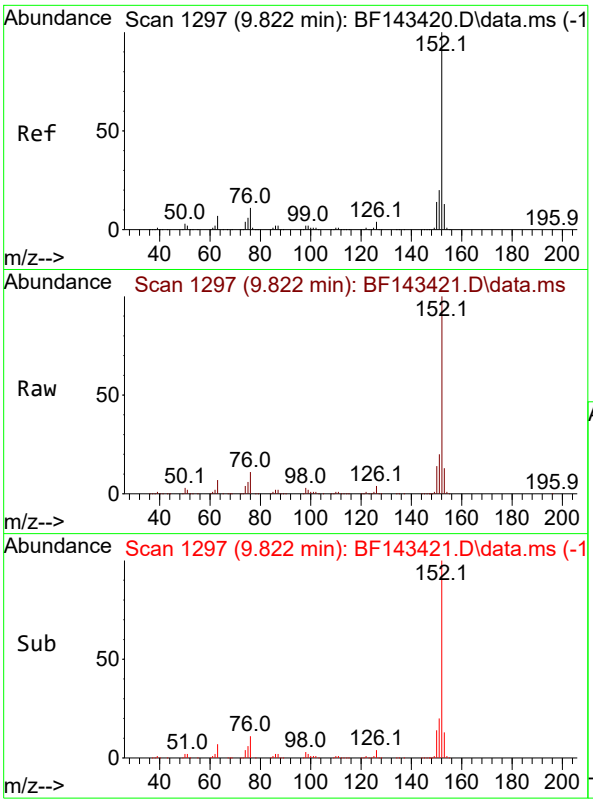


#48
2-Nitroaniline
Concen: 50.274 ng
RT: 9.504 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion: 65 Resp: 223540

Ion	Ratio	Lower	Upper
65	100		
92	66.9	52.9	79.3
138	105.4	81.3	121.9



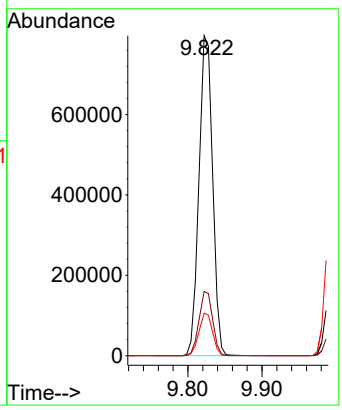


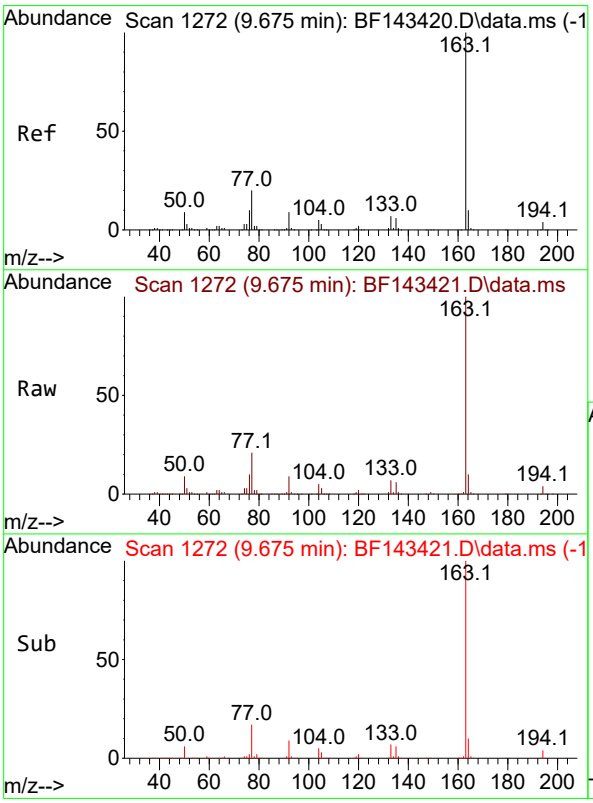
#49
Acenaphthylene
Concen: 47.421 ng
RT: 9.822 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 1023016

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.0	24.0
153	13.3	10.8	16.2

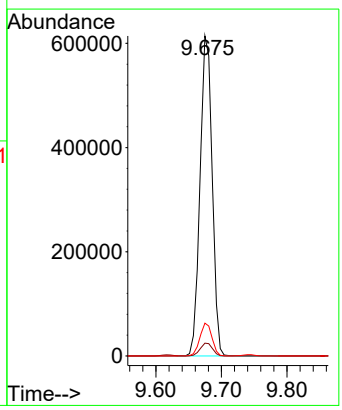


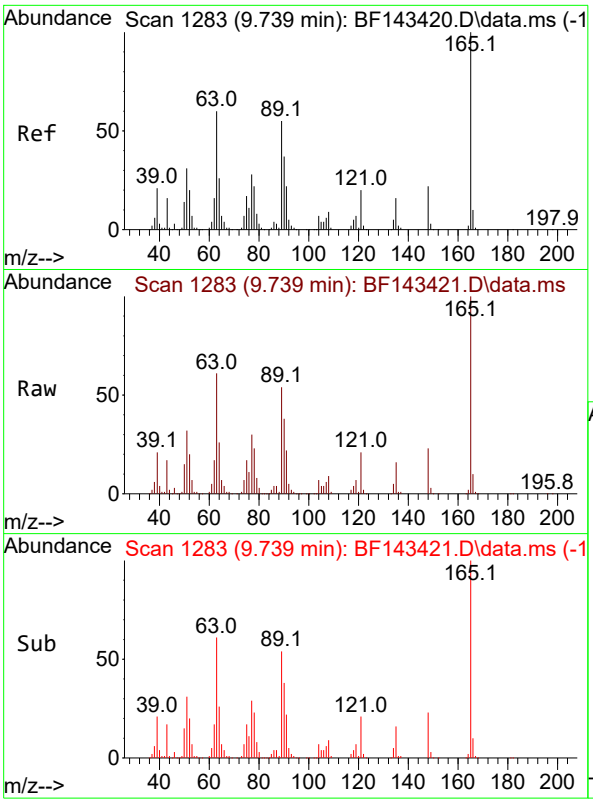


#50
Dimethylphthalate
Concen: 47.261 ng
RT: 9.675 min Scan# 1272
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:163 Resp: 793803

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.4	5.0
164	10.3	8.2	12.4



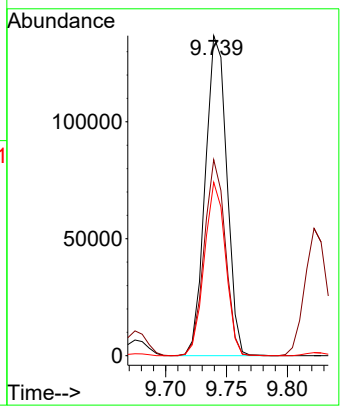


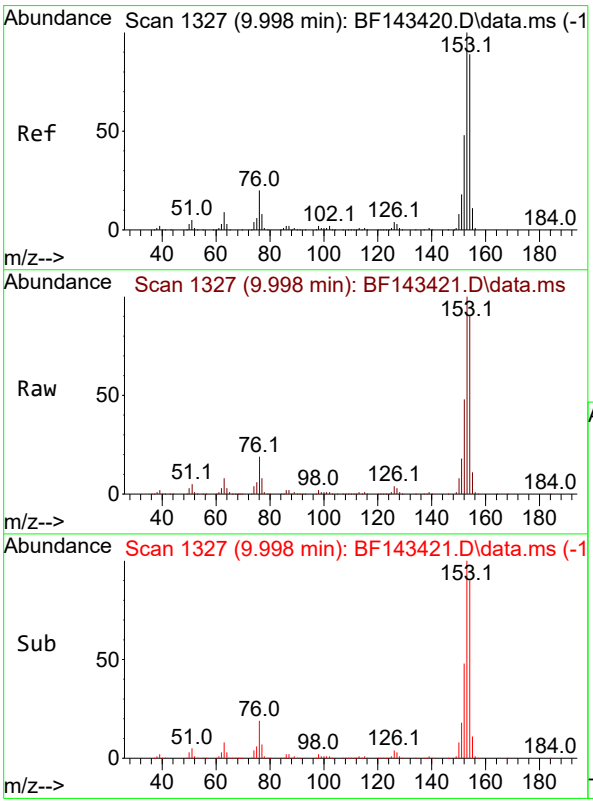
#51
2,6-Dinitrotoluene
Concen: 50.849 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 168362

Ion	Ratio	Lower	Upper
165	100		
63	61.3	48.2	72.2
89	54.2	44.2	66.2

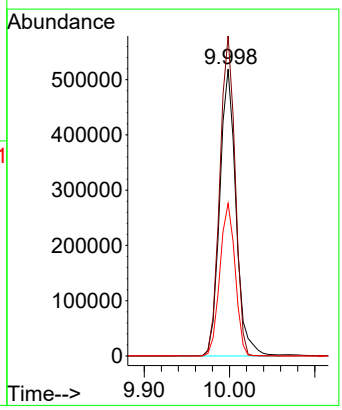


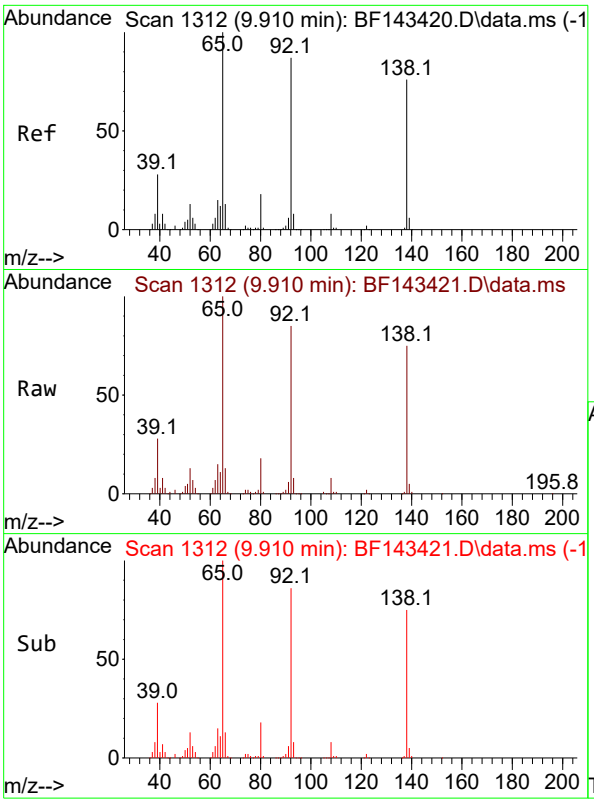


#52
Acenaphthene
Concen: 47.284 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:154 Resp: 686068

Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.5	134.3
152	53.2	42.6	64.0



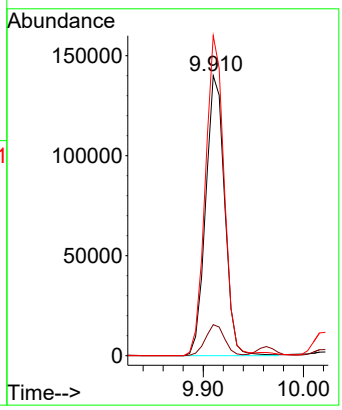


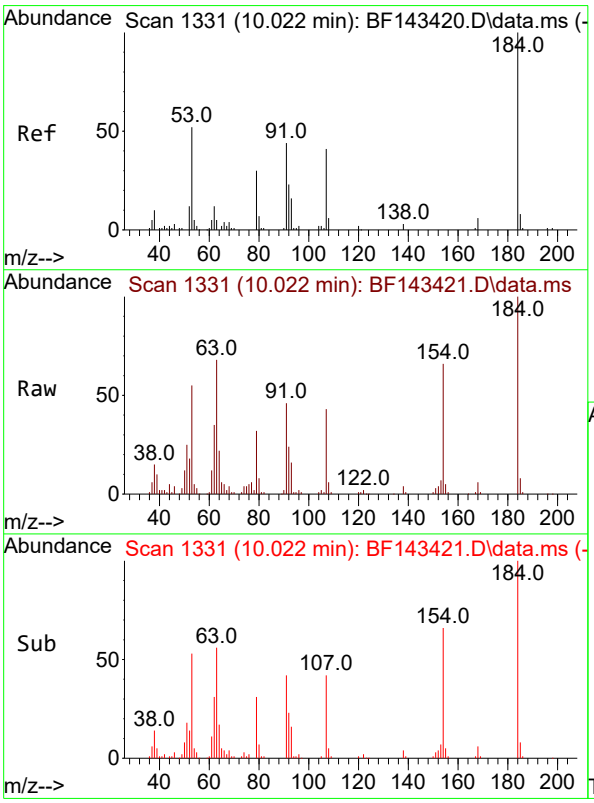
#53
3-Nitroaniline
Concen: 49.986 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 184361

Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.7	13.1
92	114.3	91.4	137.2

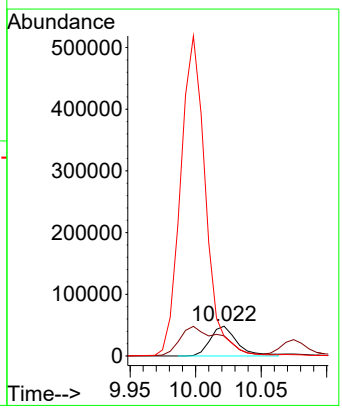


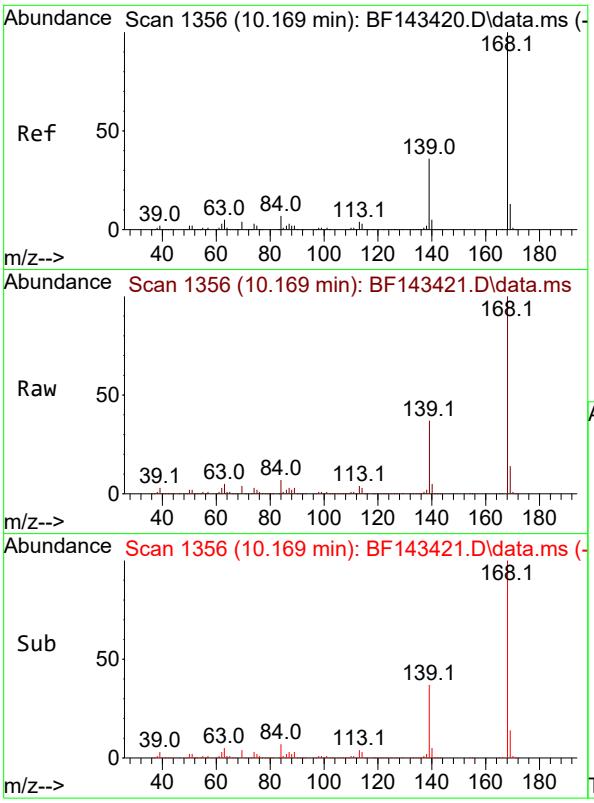


#54
2,4-Dinitrophenol
Concen: 47.214 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:184 Resp: 68752

Ion	Ratio	Lower	Upper
184	100		
63	67.7	53.2	79.8
154	65.7	51.3	76.9



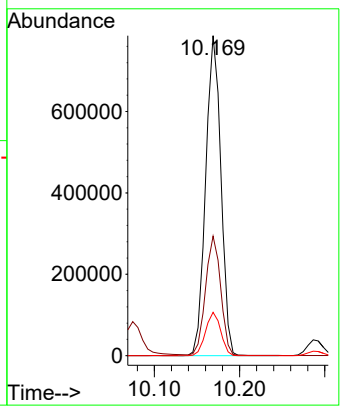


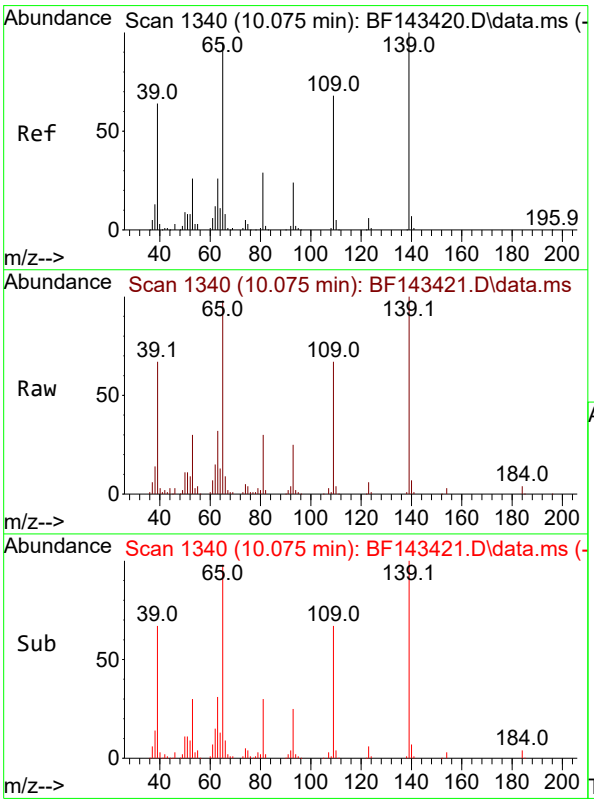
#55
Dibenzofuran
Concen: 46.545 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 974240

Ion	Ratio	Lower	Upper
168	100		
139	37.3	29.3	43.9
169	13.5	10.8	16.2

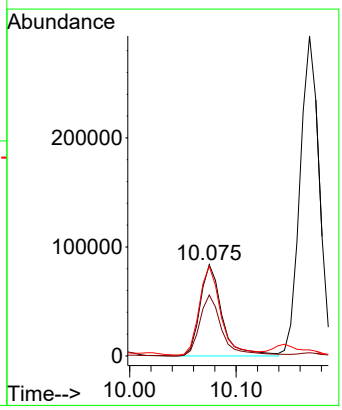


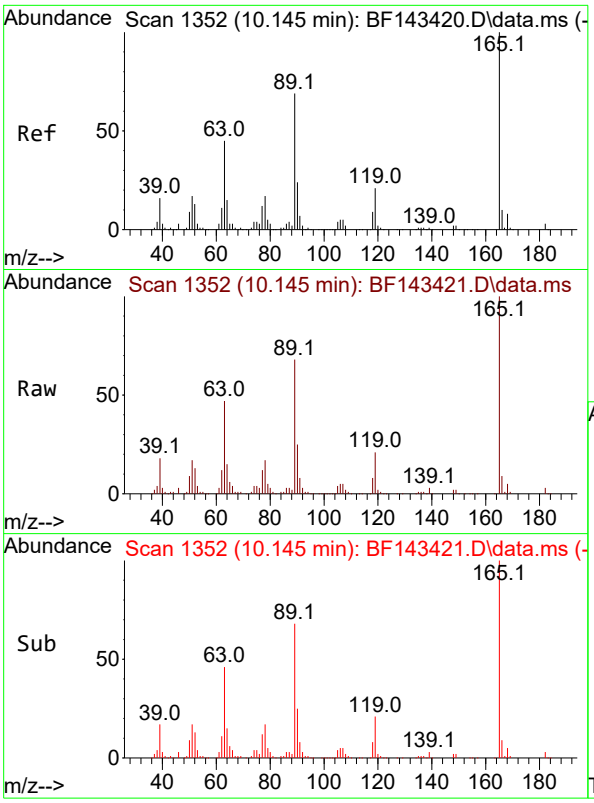


#56
4-Nitrophenol
Concen: 51.748 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:139 Resp: 119993

Ion	Ratio	Lower	Upper
139	100		
109	66.8	47.7	87.7
65	98.3	76.4	116.4



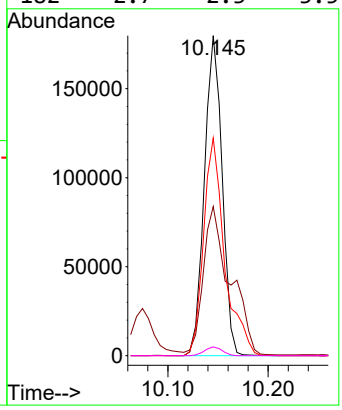


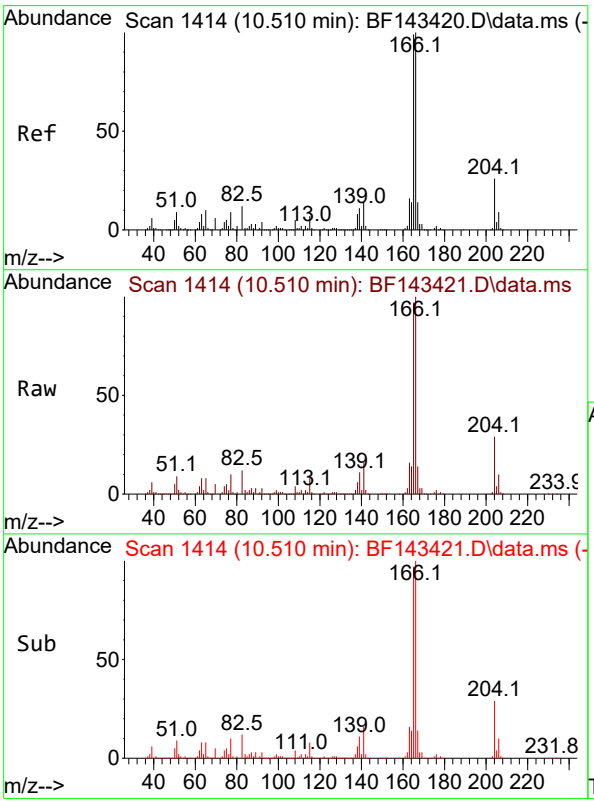
#57
2,4-Dinitrotoluene
Concen: 50.082 ng
RT: 10.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 221081

Ion	Ratio	Lower	Upper
165	100		
63	46.6	37.0	55.6
89	68.0	55.4	83.0
182	2.7	2.3	3.5

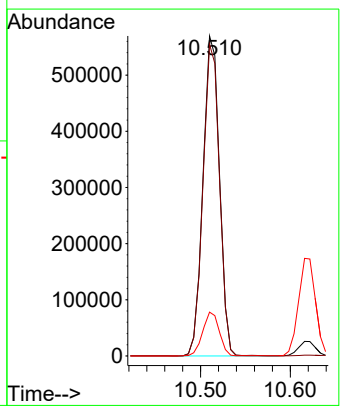


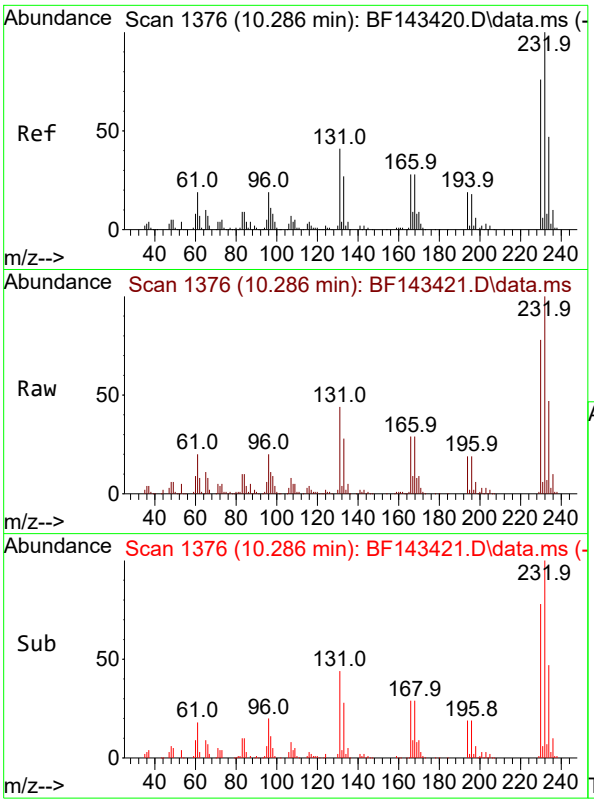


#58
Fluorene
Concen: 45.217 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:166 Resp: 727083

Ion	Ratio	Lower	Upper
166	100		
165	97.4	79.0	118.6
167	13.7	10.9	16.3



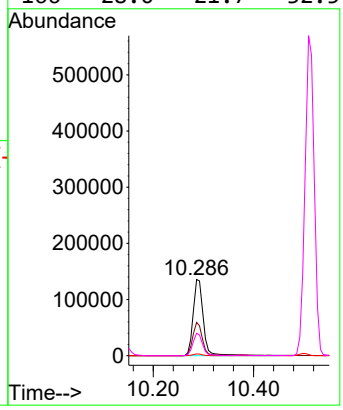


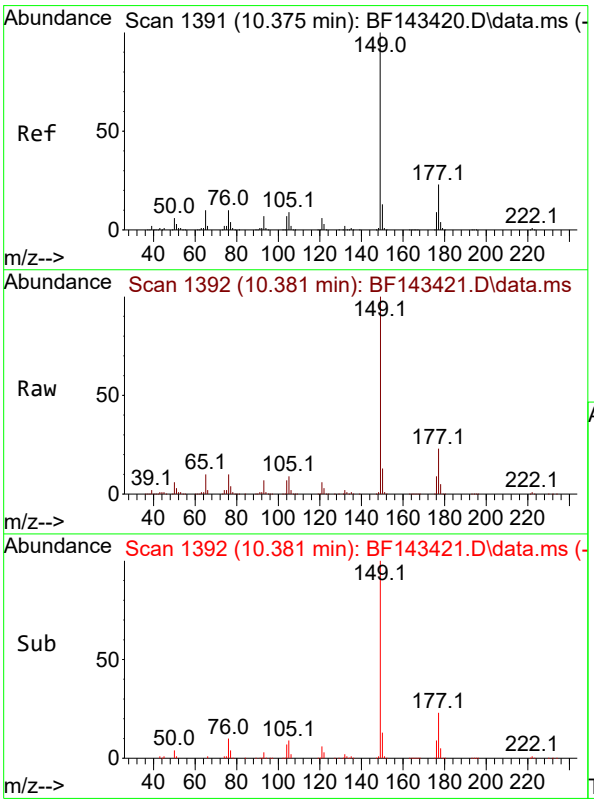
#59
2,3,4,6-Tetrachlorophenol
Concen: 50.205 ng
RT: 10.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 190929

Ion	Ratio	Lower	Upper
232	100		
131	41.3	32.0	48.0
130	2.1	1.7	2.5
166	28.0	21.7	32.5

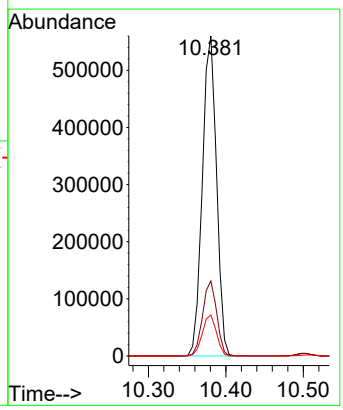


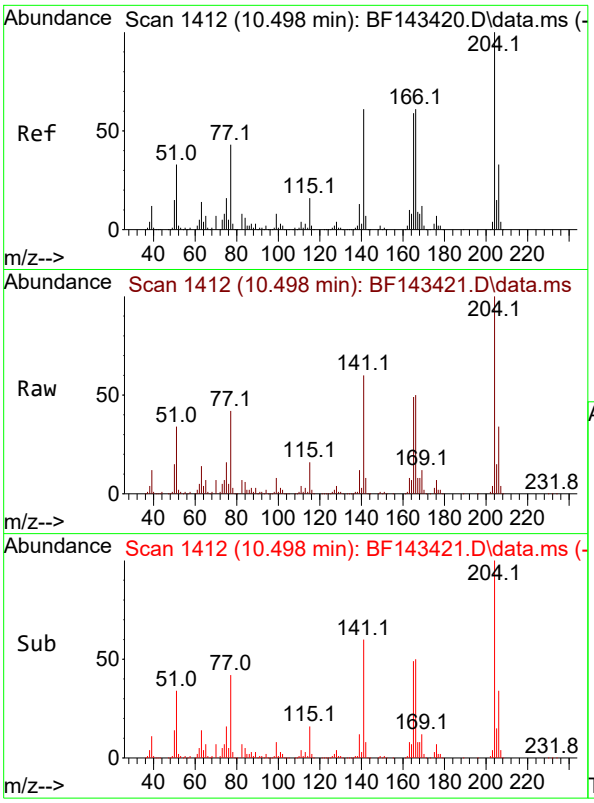


#60
Diethylphthalate
Concen: 45.793 ng
RT: 10.381 min Scan# 1392
Delta R.T. 0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:149 Resp: 710763

Ion	Ratio	Lower	Upper
149	100		
177	23.4	18.2	27.4
150	12.8	10.1	15.1



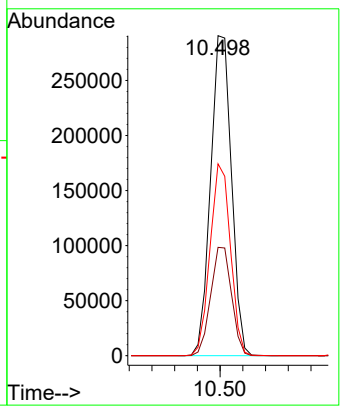


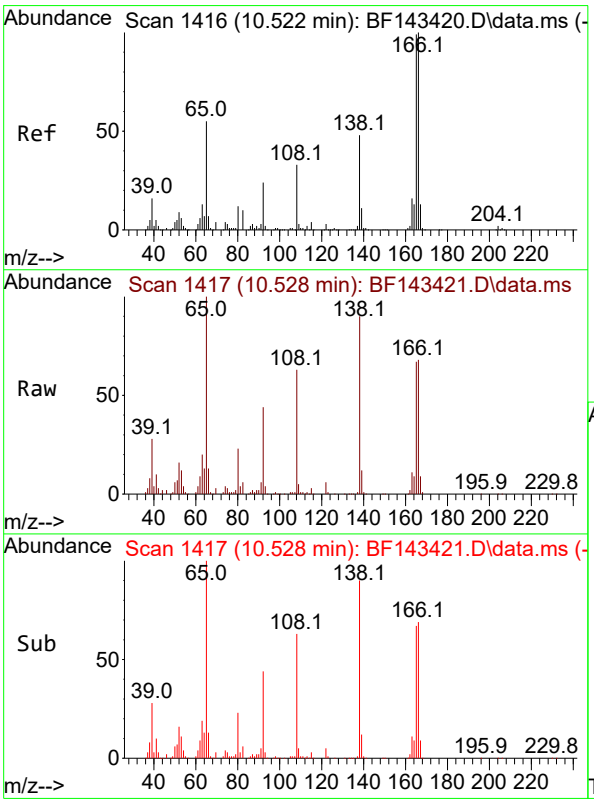
#61
4-Chlorophenyl-phenylether
Concen: 46.681 ng
RT: 10.498 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 371115

Ion	Ratio	Lower	Upper
204	100		
206	33.8	26.5	39.7
141	60.0	49.0	73.4

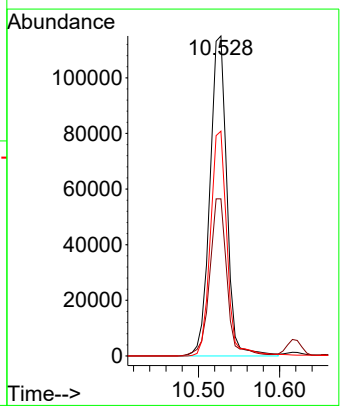


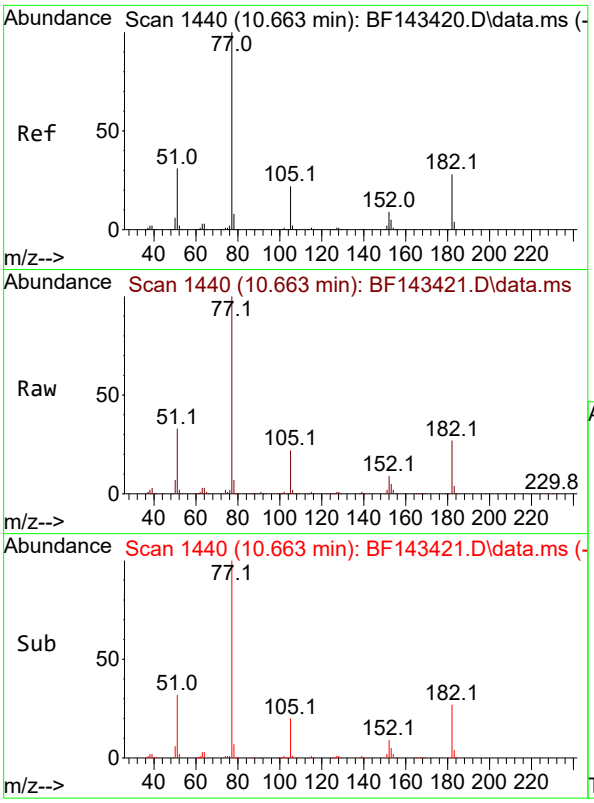


#62
4-Nitroaniline
Concen: 48.306 ng
RT: 10.528 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:138 Resp: 166617

Ion	Ratio	Lower	Upper
138	100		
92	49.1	29.4	69.4
108	70.2	48.6	88.6



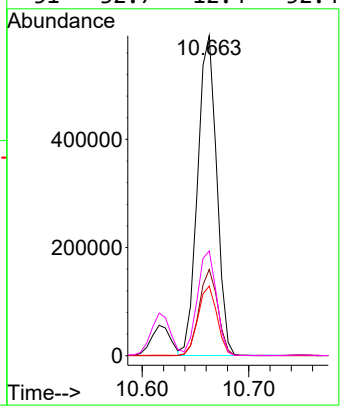


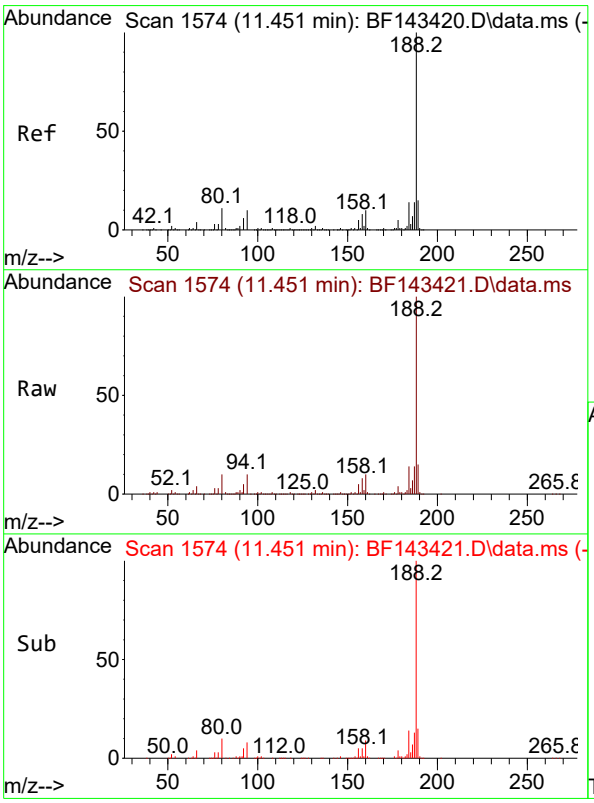
#63
Azobenzene
Concen: 46.957 ng
RT: 10.663 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 736604

Ion	Ratio	Lower	Upper
77	100		
182	27.0	7.4	47.4
105	21.8	1.7	41.7
51	32.7	12.4	52.4

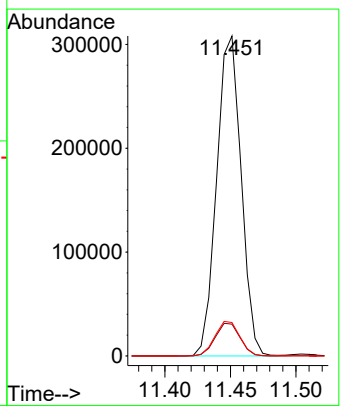


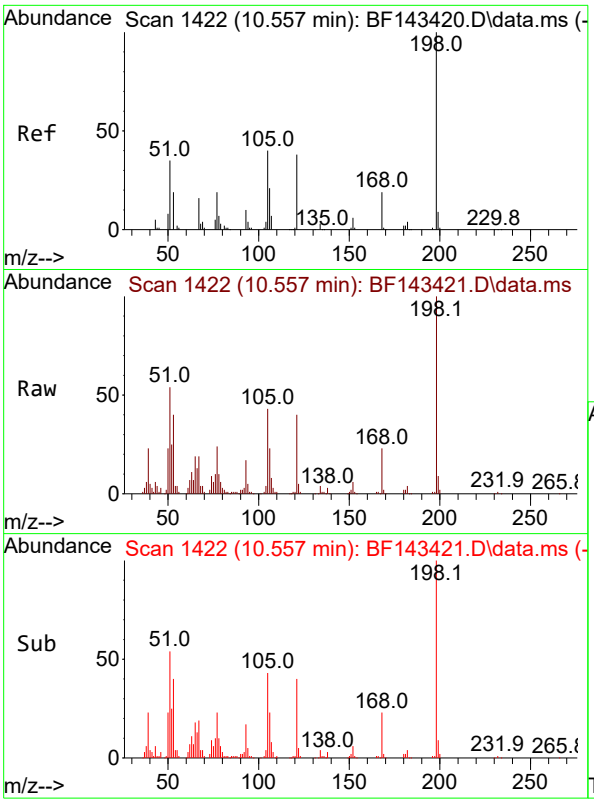


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:188 Resp: 399933

Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.0	12.0
80	10.4	8.6	12.8



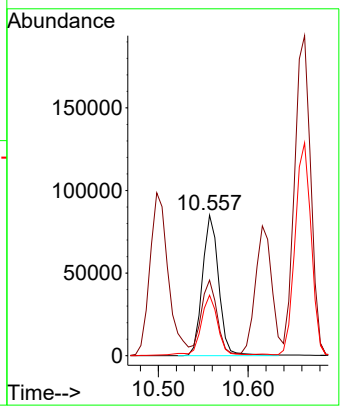


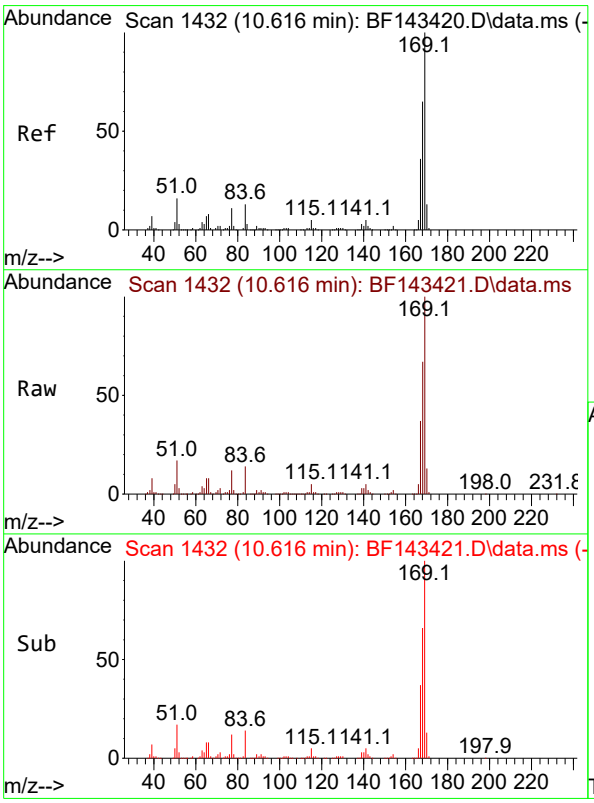
#65
4,6-Dinitro-2-methylphenol
Concen: 51.921 ng
RT: 10.557 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 107140

Ion	Ratio	Lower	Upper
198	100		
51	53.8	31.2	71.2
105	43.1	21.7	61.7

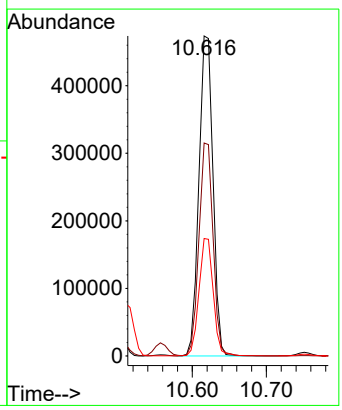


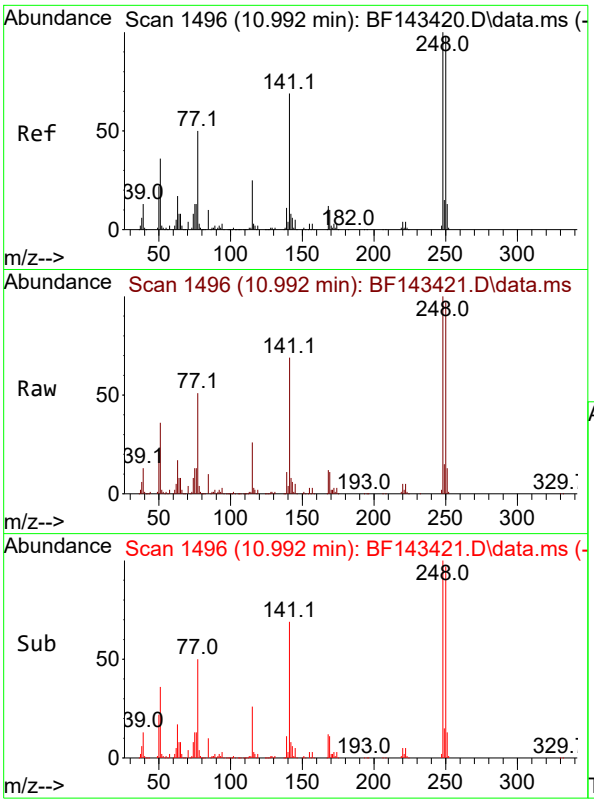


#66
n-Nitrosodiphenylamine
Concen: 47.953 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:169 Resp: 623583

Ion	Ratio	Lower	Upper
169	100		
168	66.5	52.5	78.7
167	36.7	28.6	42.8



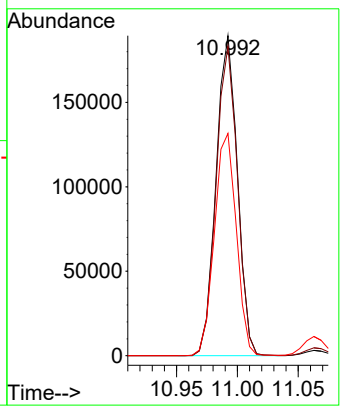


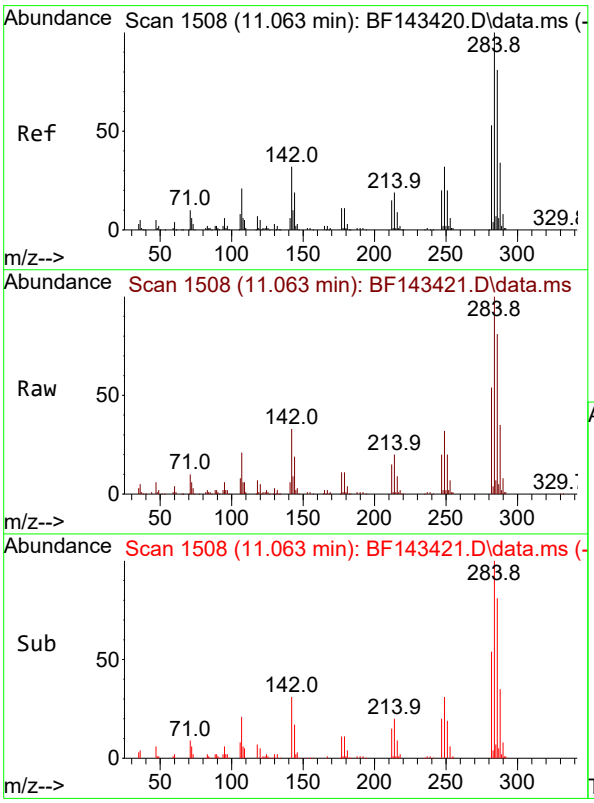
#67
4-Bromophenyl-phenylether
Concen: 49.109 ng
RT: 10.992 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 231927

Ion	Ratio	Lower	Upper
248	100		
250	96.7	78.6	118.0
141	69.5	54.9	82.3

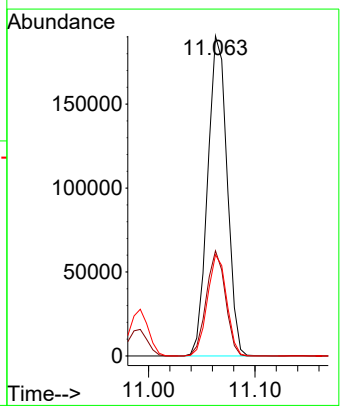


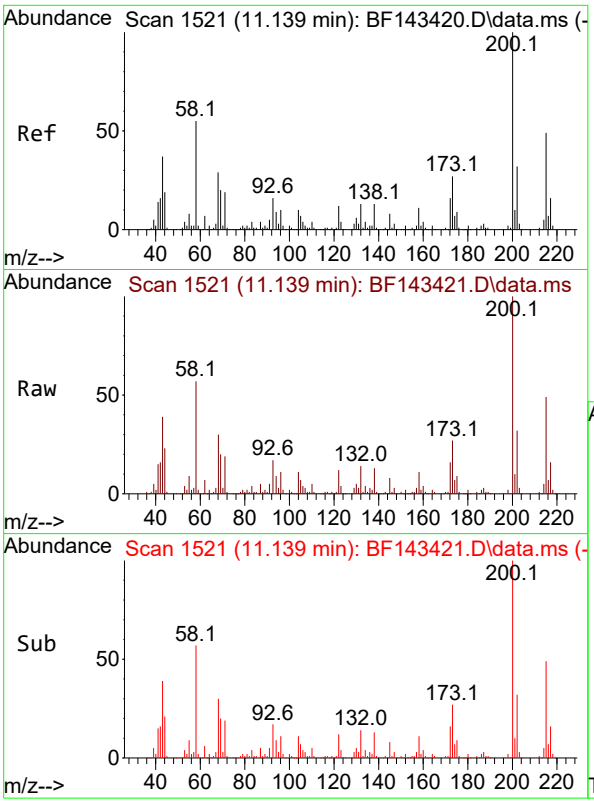


#68
Hexachlorobenzene
Concen: 48.135 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:284 Resp: 241672

Ion	Ratio	Lower	Upper
284	100		
142	32.9	25.4	38.2
249	31.6	25.4	38.0



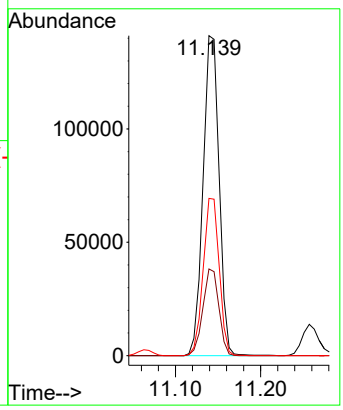


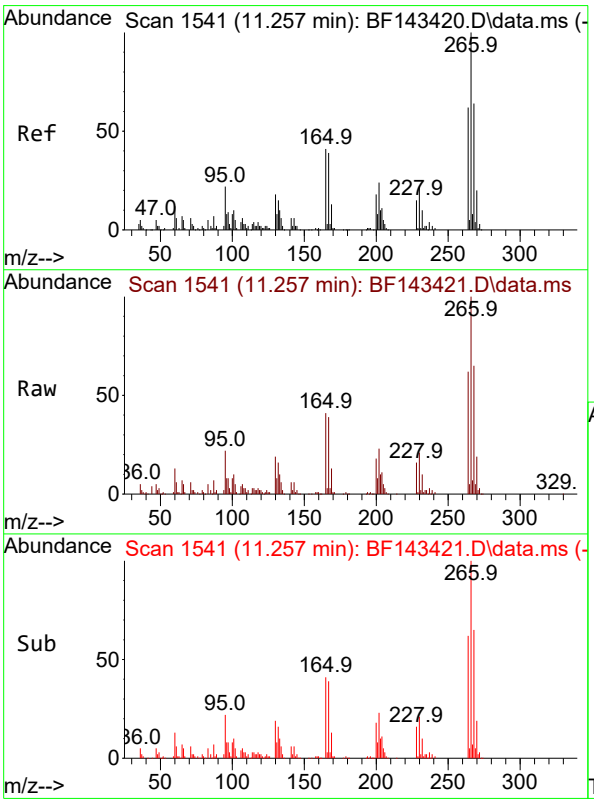
#69
Atrazine
Concen: 48.552 ng
RT: 11.139 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 184670

Ion	Ratio	Lower	Upper
200	100		
173	27.1	6.6	46.6
215	49.2	29.5	69.5

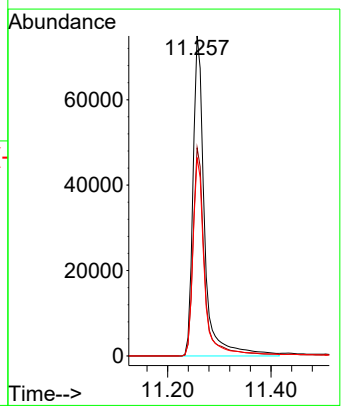


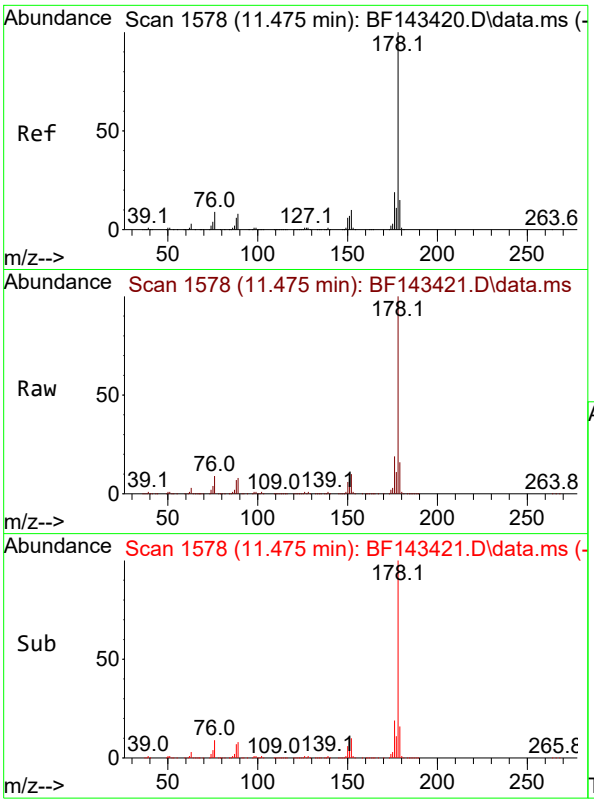


#70
Pentachlorophenol
Concen: 52.337 ng
RT: 11.257 min Scan# 1541
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:266 Resp: 116662

Ion	Ratio	Lower	Upper
266	100		
268	65.1	51.0	76.6
264	62.0	49.3	73.9



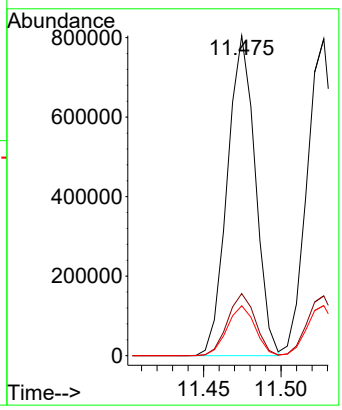


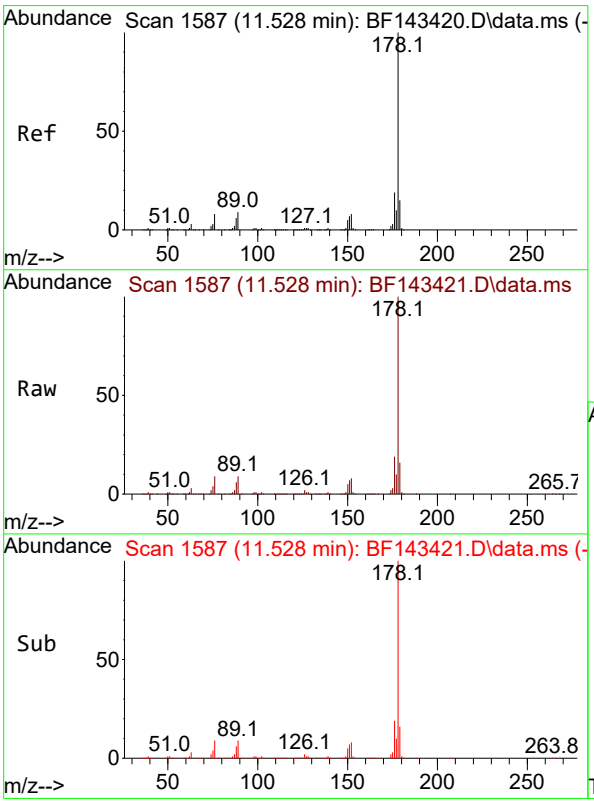
#71
Phenanthrene
Concen: 46.525 ng
RT: 11.475 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 1007589

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.6	12.3	18.5

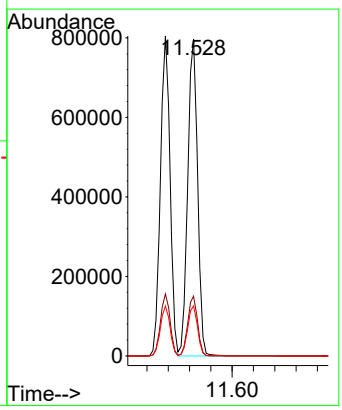


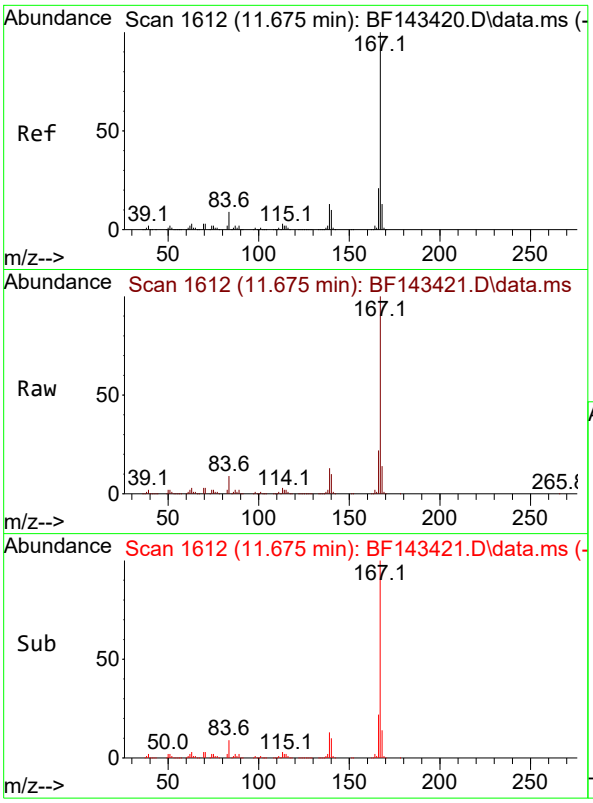


#72
Anthracene
Concen: 46.817 ng
RT: 11.528 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:178 Resp: 1024065

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.8	22.2
179	15.8	12.2	18.4



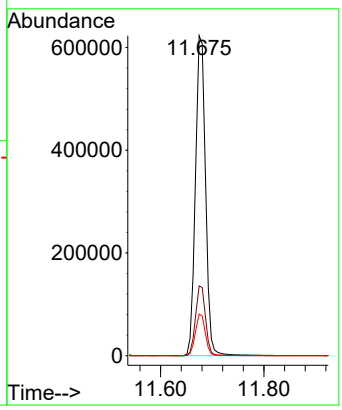


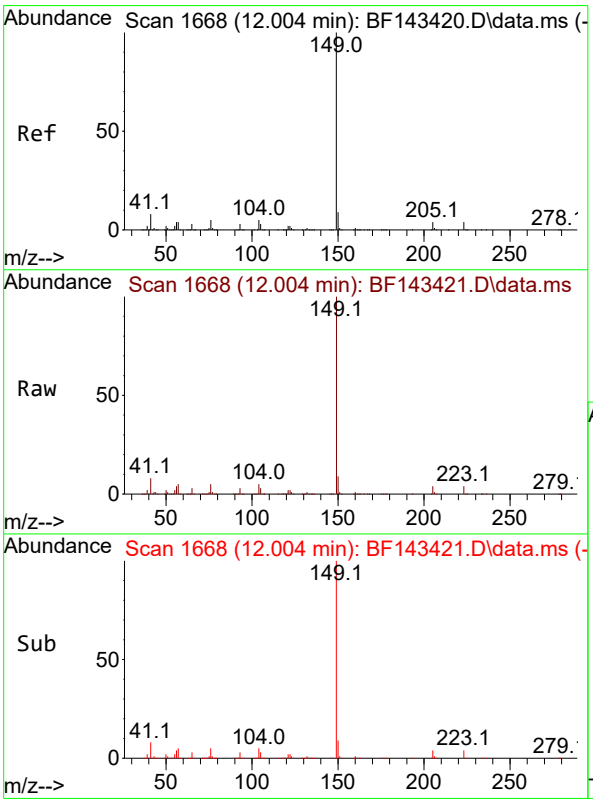
#73
Carbazole
Concen: 45.888 ng
RT: 11.675 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 848940

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.2	25.8
139	13.0	10.1	15.1

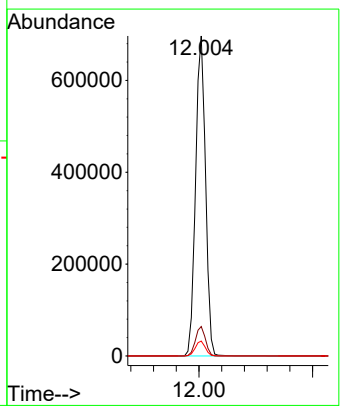


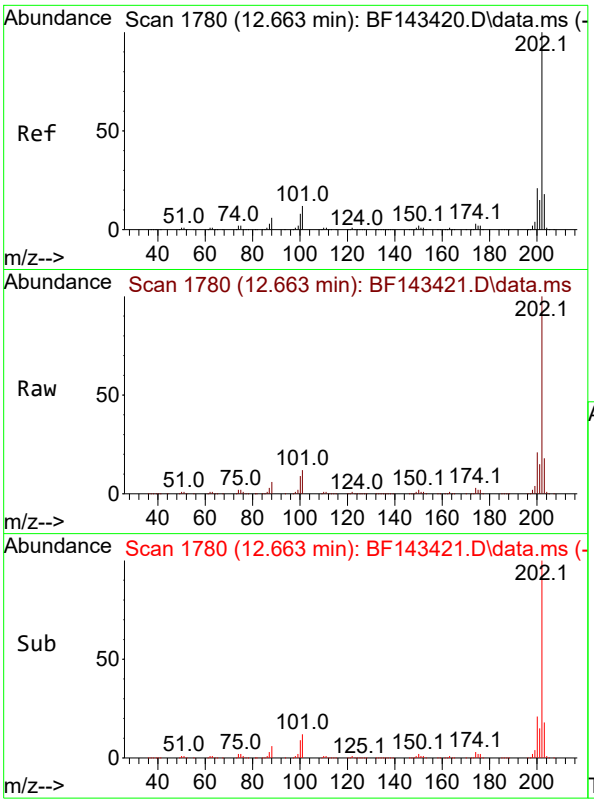


#74
Di-n-butylphthalate
Concen: 46.180 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:149 Resp: 850780

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.6	3.8	5.6



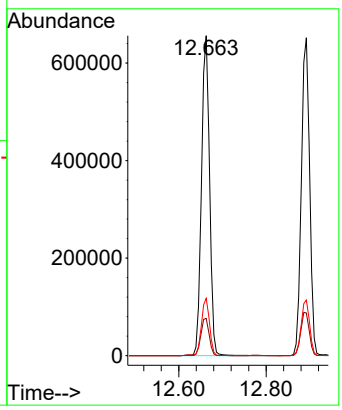


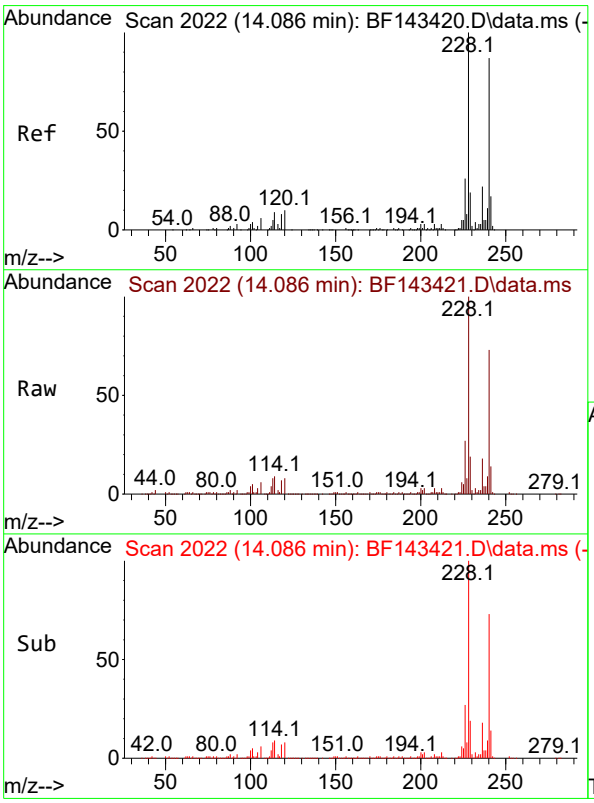
#75
Fluoranthene
Concen: 43.866 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 844131

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.5
203	17.9	0.0	37.5

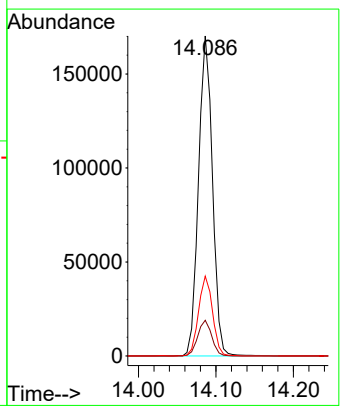


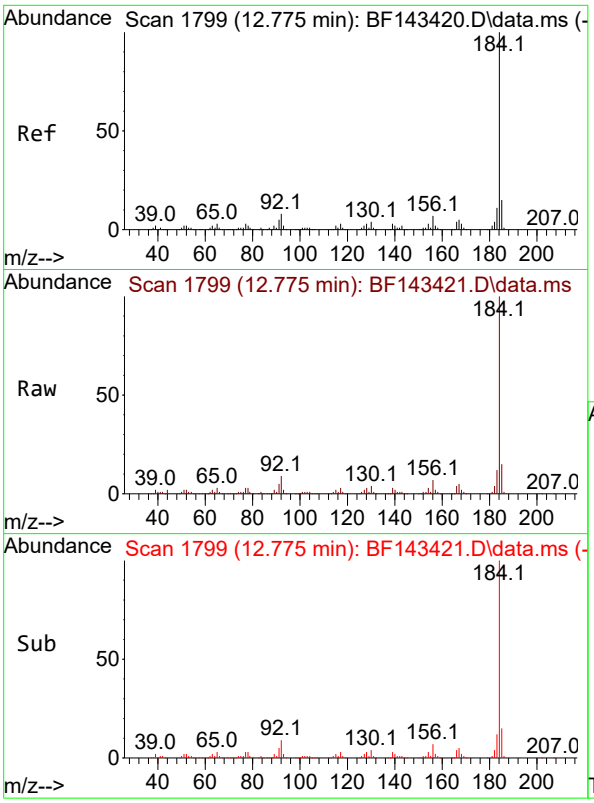


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:240 Resp: 212755

Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.0	13.4
236	25.0	20.2	30.2



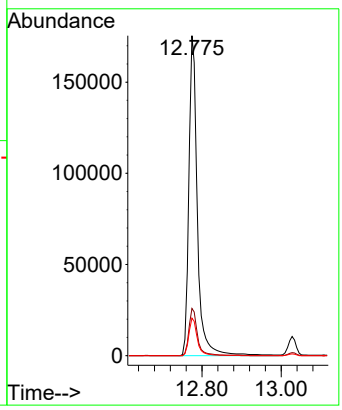


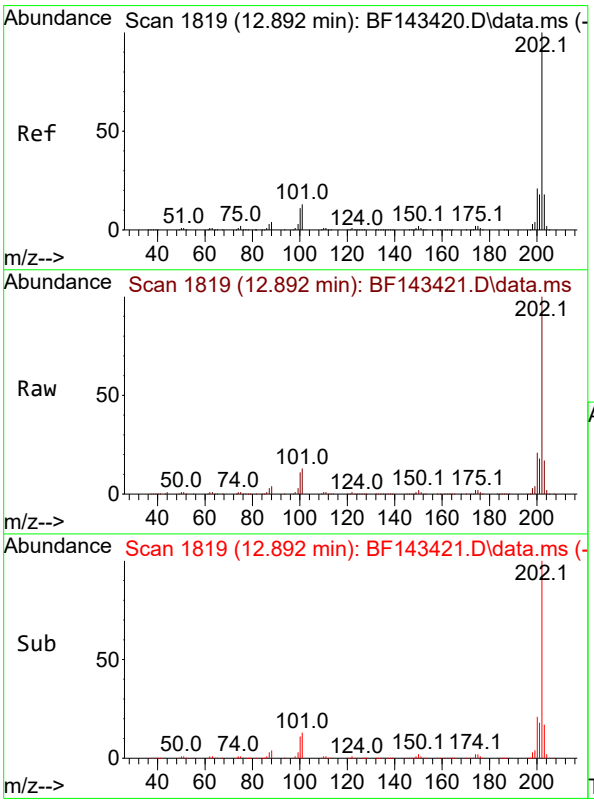
#77
Benzidine
Concen: 43.448 ng
RT: 12.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 261682

Ion	Ratio	Lower	Upper
184	100		
185	14.8	12.2	18.2
183	11.7	9.2	13.8

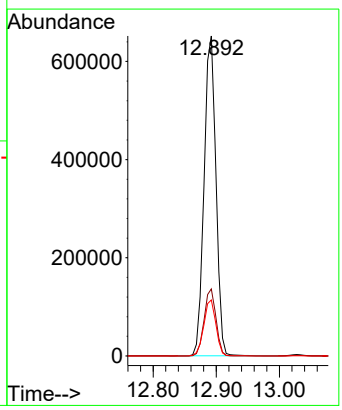


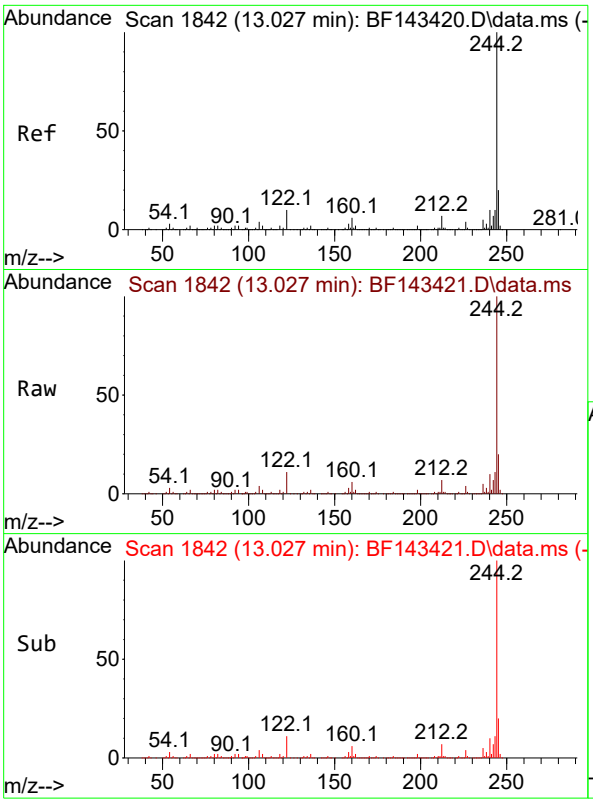


#78
Pyrene
Concen: 45.913 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:202 Resp: 849028

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.1	25.7
203	17.5	14.2	21.2



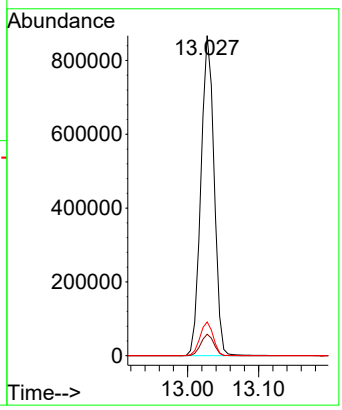


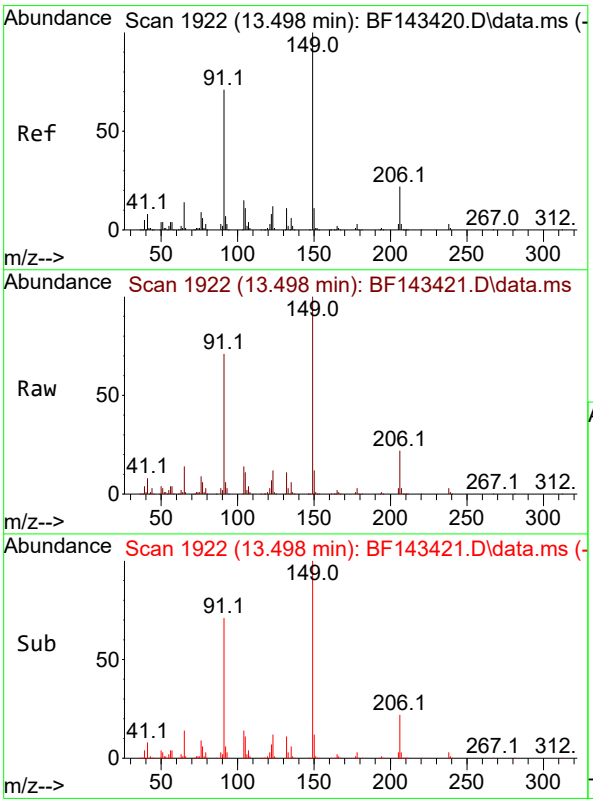
#79
Terphenyl-d14
Concen: 88.761 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 1124159

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.2	7.8
122	10.6	8.3	12.5

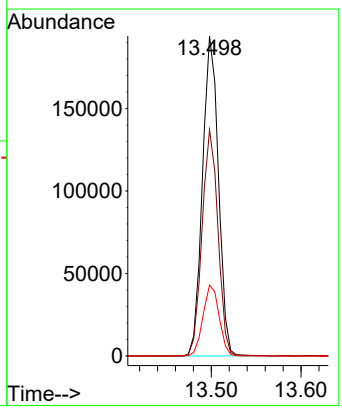


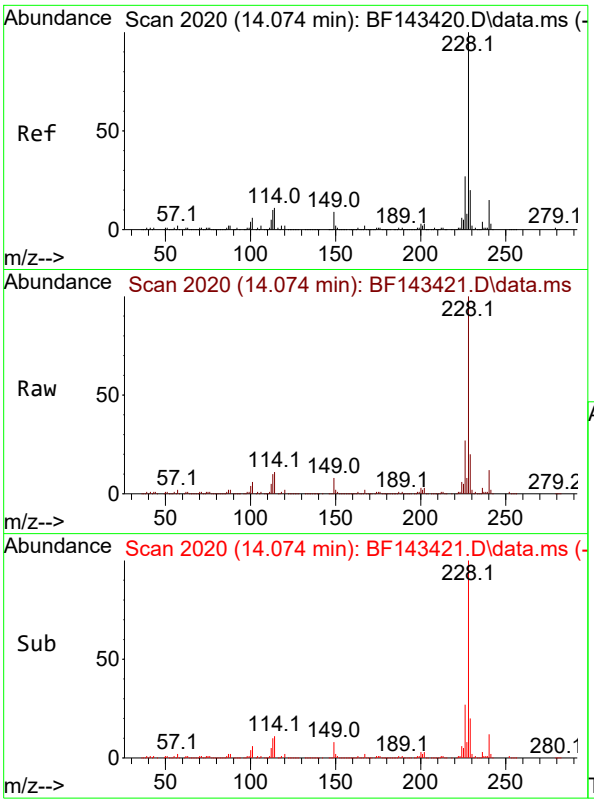


#80
Butylbenzylphthalate
Concen: 52.286 ng
RT: 13.498 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:149 Resp: 239484

Ion	Ratio	Lower	Upper
149	100		
91	70.6	57.0	85.4
206	22.1	17.6	26.4



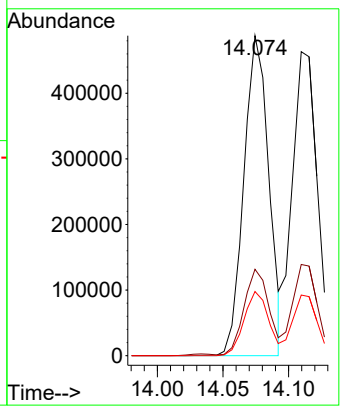


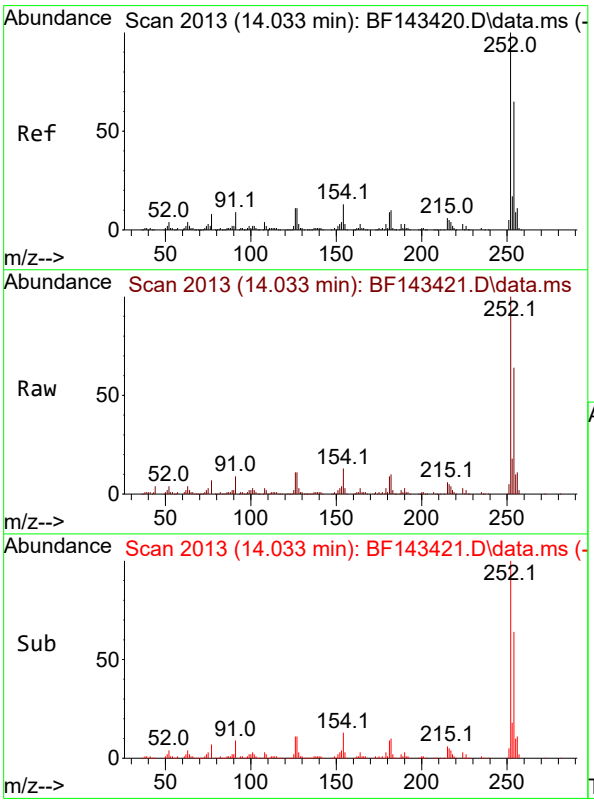
#81
Benzo(a)anthracene
Concen: 47.587 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 644570

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.5	32.3
229	20.0	15.7	23.5

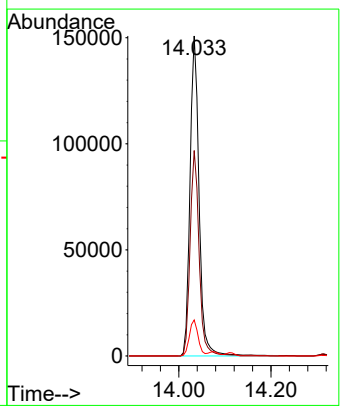


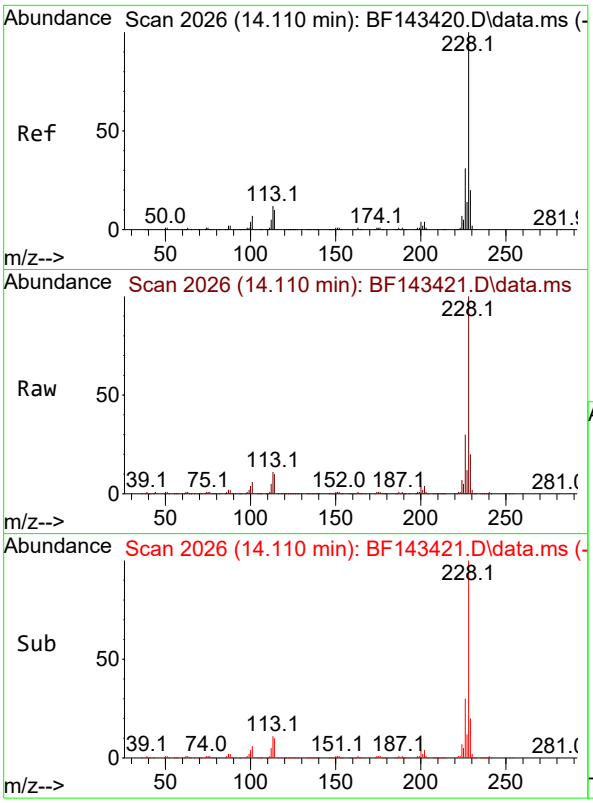


#82
3,3'-Dichlorobenzidine
Concen: 51.831 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:252 Resp: 205554

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.6	77.4
126	11.3	8.8	13.2



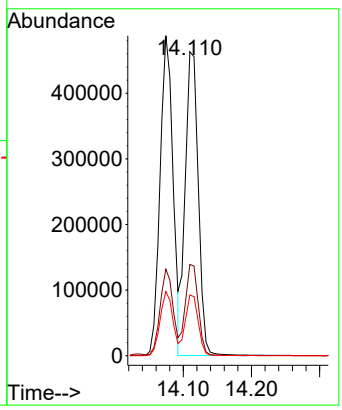


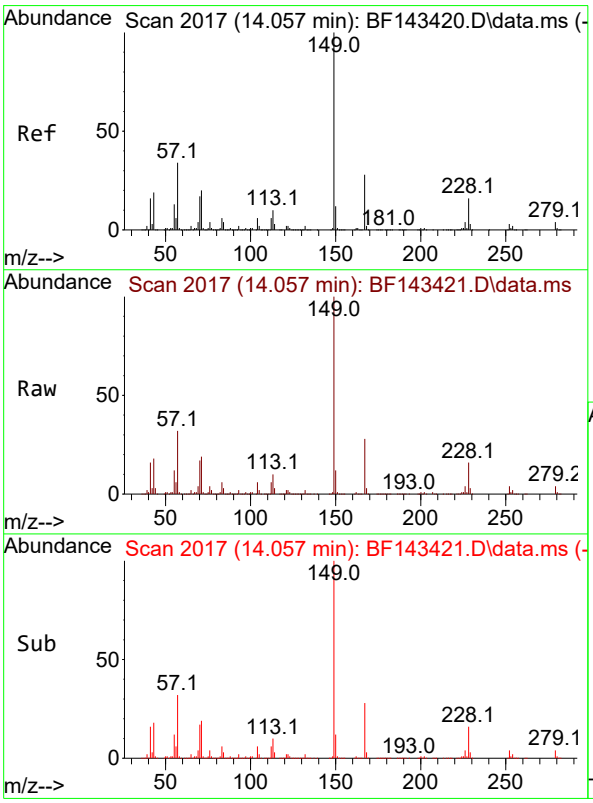
#83
Chrysene
Concen: 49.101 ng
RT: 14.110 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 614856

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.3	36.5
229	19.9	16.1	24.1

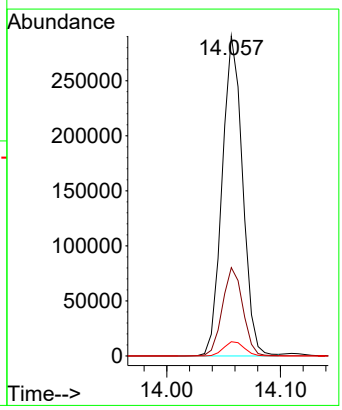


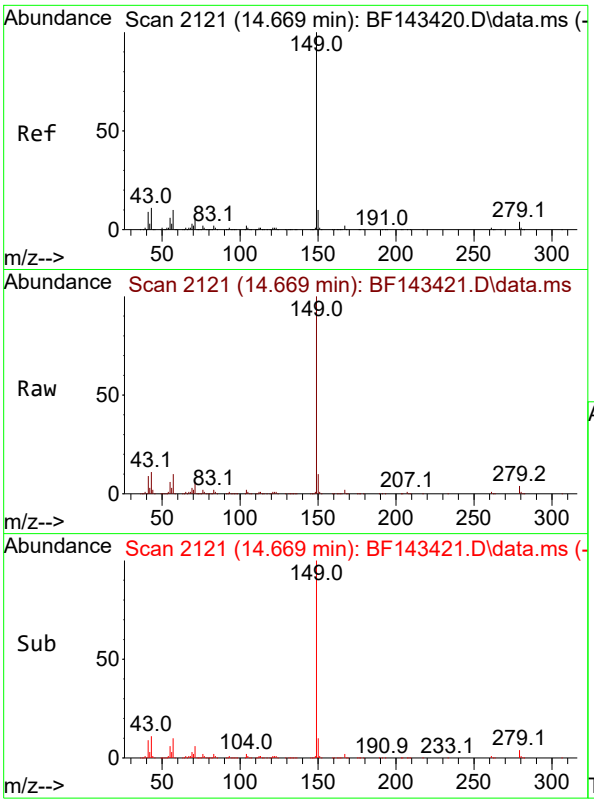


#84
Bis(2-ethylhexyl)phthalate
Concen: 55.980 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:149 Resp: 364131

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.6	33.8
279	4.4	3.5	5.3



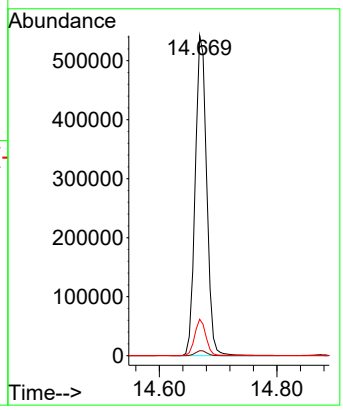


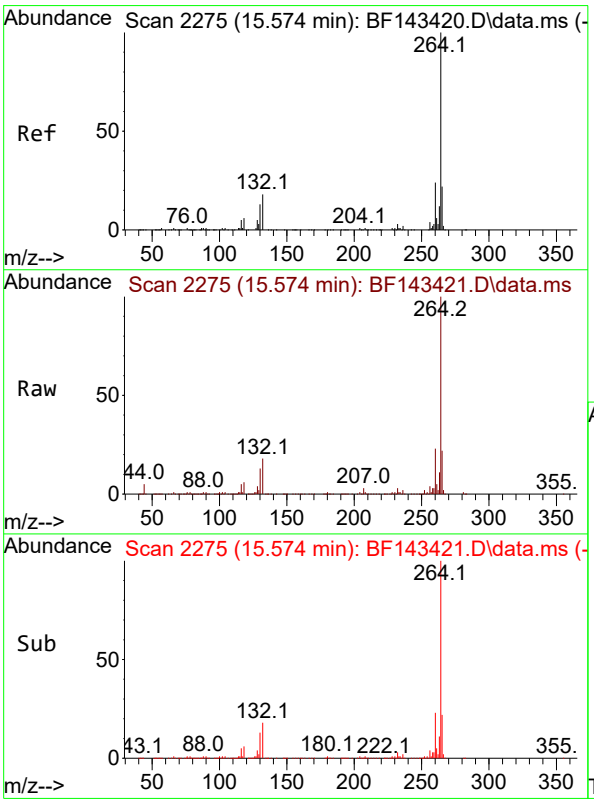
#85
Di-n-octyl phthalate
Concen: 55.599 ng
RT: 14.669 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 733517

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.1	9.0	13.6

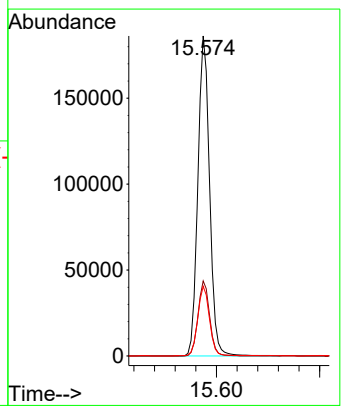


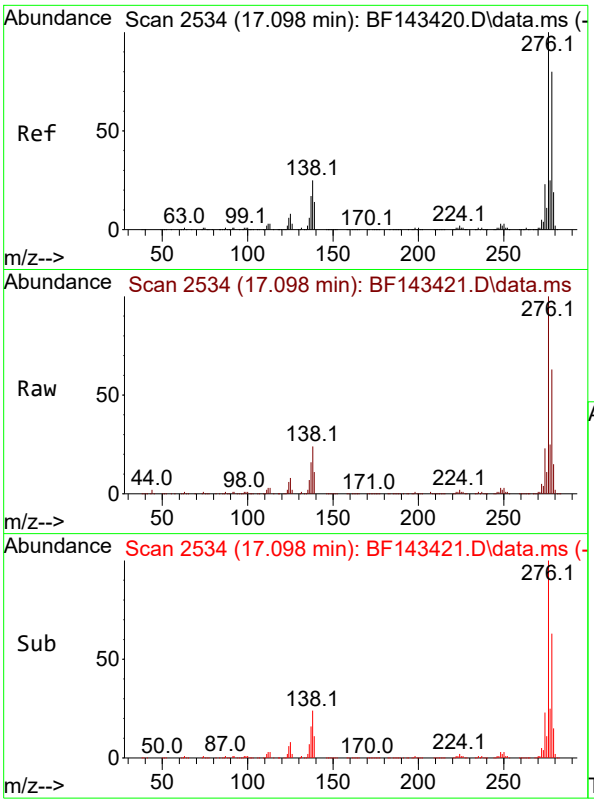


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:264 Resp: 292857

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.8	28.2
265	21.7	17.4	26.0



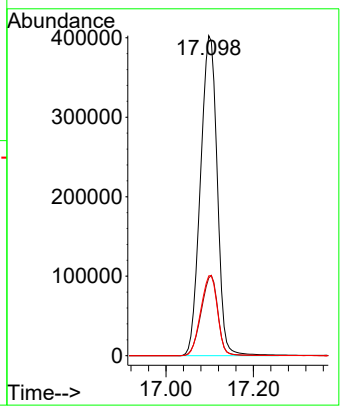


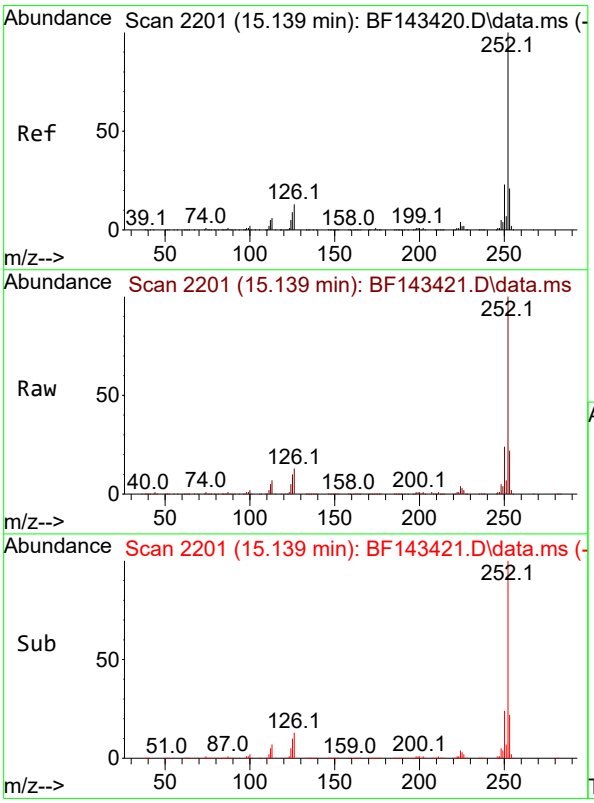
#87
Indeno(1,2,3-cd)pyrene
Concen: 48.845 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 1072706

Ion	Ratio	Lower	Upper
276	100		
138	25.1	20.2	30.4
277	25.3	20.2	30.2

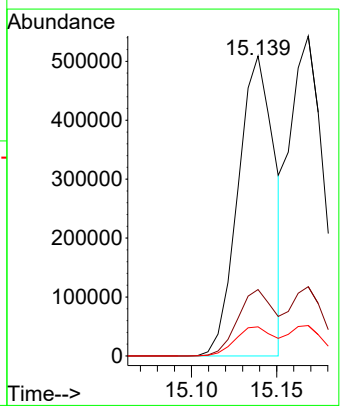


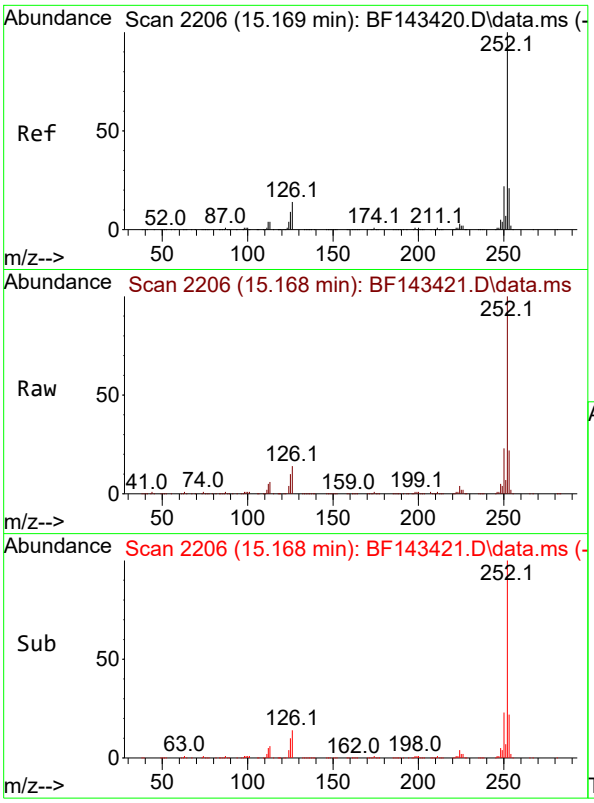


#88
Benzo(b)fluoranthene
Concen: 48.035 ng
RT: 15.139 min Scan# 2201
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:252 Resp: 753963

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	9.7	7.5	11.3



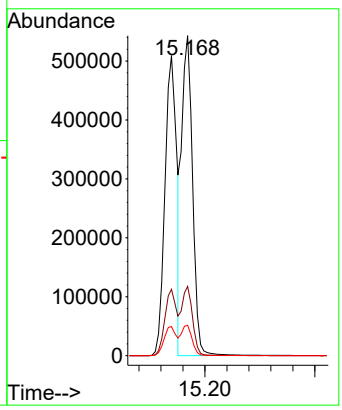


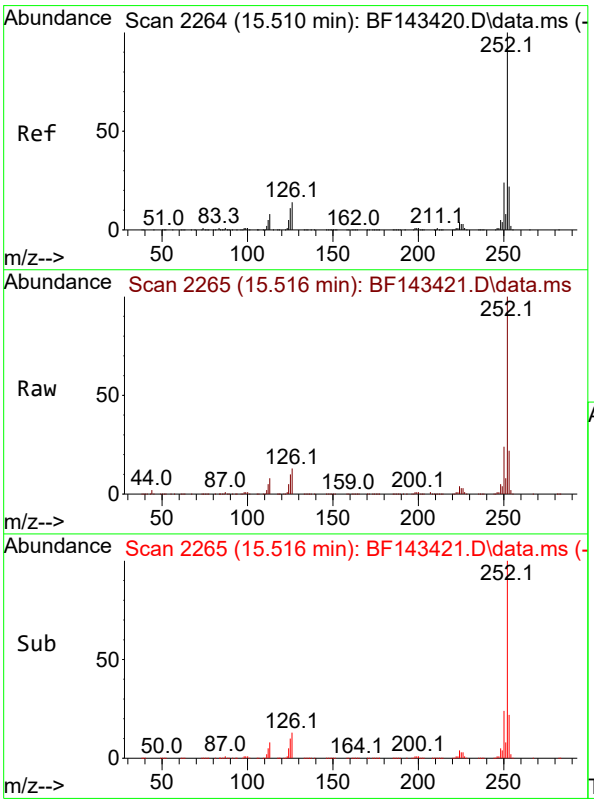
#89
Benzo(k)fluoranthene
Concen: 48.329 ng
RT: 15.168 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 748201

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.2	25.8
125	9.5	7.4	11.2

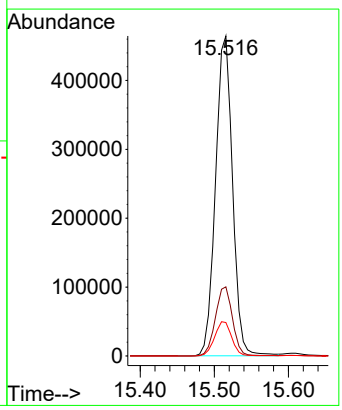


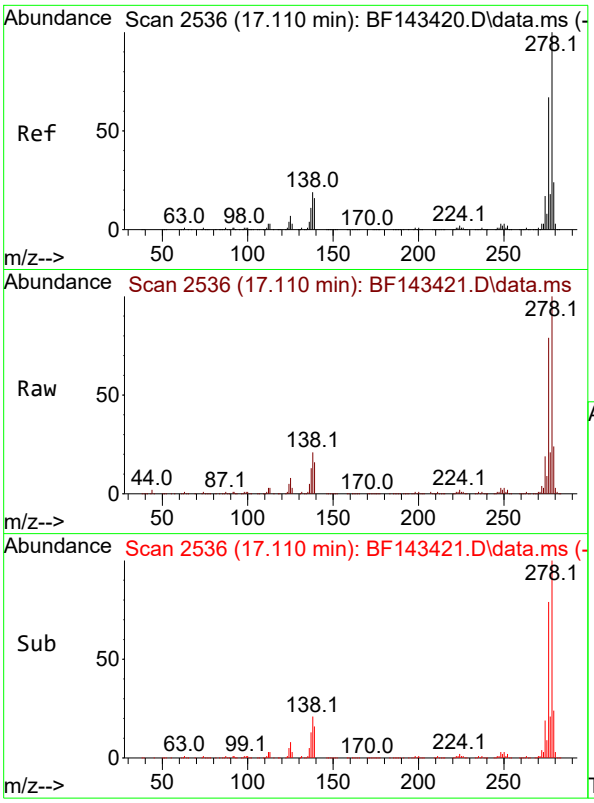


#90
Benzo(a)pyrene
Concen: 49.418 ng
RT: 15.516 min Scan# 2265
Delta R.T. 0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:252 Resp: 738784

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	10.4	8.6	12.8



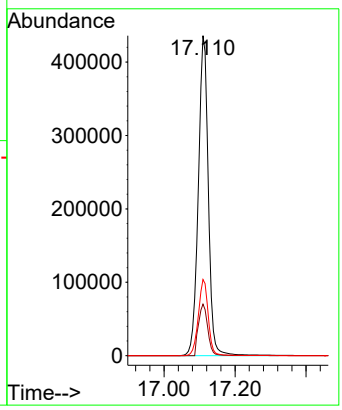


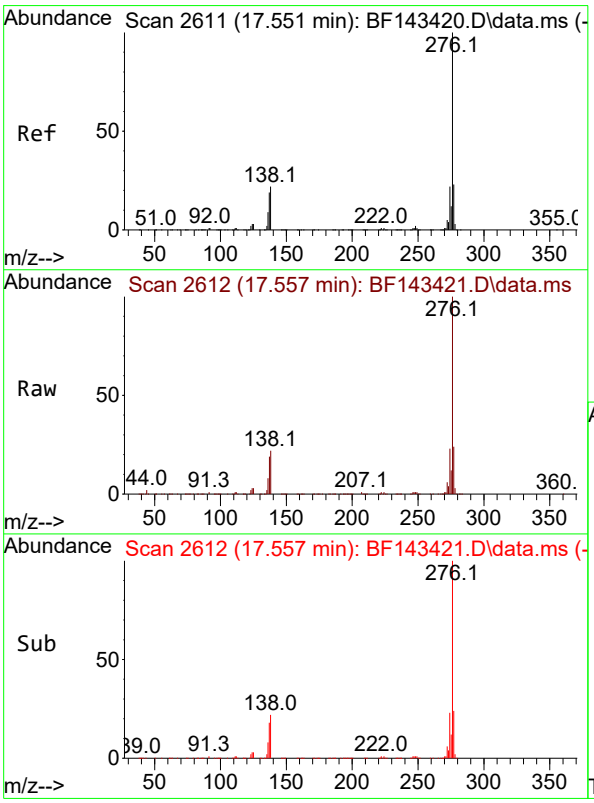
#91
Dibenzo(a,h)anthracene
Concen: 48.523 ng
RT: 17.110 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 855766

Ion	Ratio	Lower	Upper
278	100		
139	16.1	12.9	19.3
279	23.8	19.0	28.4

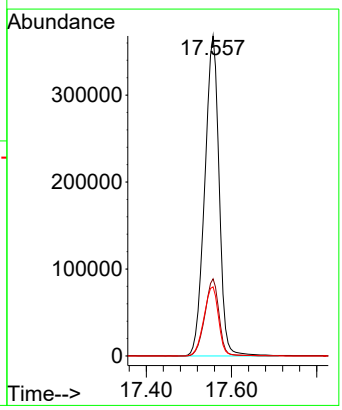




#92
Benzo(g,h,i)perylene
Concen: 49.005 ng
RT: 17.557 min Scan# 2612
Delta R.T. 0.006 min
Lab File: BF143421.D
Acq: 15 Aug 2025 16:58

Tgt Ion:276 Resp: 863384

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.7	28.1
138	21.6	17.5	26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143422.D
Acq On : 15 Aug 2025 17:27
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Aug 15 18:29:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	103004	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	394093	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	216471	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	345949	20.000	ng	0.00
76) Chrysene-d12	14.086	240	183739	20.000	ng	0.00
86) Perylene-d12	15.574	264	234521	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	706677	119.261	ng	0.00
7) Phenol-d6	6.563	99	874080	117.052	ng	0.00
23) Nitrobenzene-d5	7.487	82	801462	120.677	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	240835	124.995	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1405470	109.206	ng	0.00
79) Terphenyl-d14	13.027	244	1336250	122.168	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.693	88	170131	59.648	ng	100
3) Pyridine	3.481	79	468124	62.578	ng	100
4) n-Nitrosodimethylamine	3.422	42	213122	61.294	ng	99
6) Aniline	6.592	93	600661	59.251	ng	97
8) 2-Chlorophenol	6.716	128	388837	59.438	ng	99
9) Benzaldehyde	6.475	77	197912	49.820	ng	99
10) Phenol	6.575	94	514768	59.074	ng	100
11) bis(2-Chloroethyl)ether	6.663	93	381275	59.028	ng	99
12) 1,3-Dichlorobenzene	6.869	146	427836	58.383	ng	100
13) 1,4-Dichlorobenzene	6.945	146	425679	58.184	ng	99
14) 1,2-Dichlorobenzene	7.098	146	404912	57.945	ng	99
15) Benzyl Alcohol	7.069	79	333850	60.623	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	638435	57.816	ng	98
17) 2-Methylphenol	7.181	107	319847	59.925	ng	99
18) Hexachloroethane	7.439	117	147825	59.362	ng	98
19) n-Nitroso-di-n-propyla...	7.339	70	263397	56.976	ng	99
20) 3+4-Methylphenols	7.334	107	375256	58.800	ng	96
22) Acetophenone	7.334	105	480508	56.709	ng	98
24) Nitrobenzene	7.510	77	418529	60.296	ng	97
25) Isophorone	7.751	82	762143	59.959	ng	99
26) 2-Nitrophenol	7.828	139	207903	64.610	ng	97
27) 2,4-Dimethylphenol	7.863	122	318392	58.521	ng	99
28) bis(2-Chloroethoxy)met...	7.951	93	462973	59.257	ng	99
29) 2,4-Dichlorophenol	8.069	162	335897	60.564	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	333743	58.729	ng	99
31) Naphthalene	8.234	128	1088551	58.181	ng	100
32) Benzoic acid	7.981	122	185215	65.770	ng	98
33) 4-Chloroaniline	8.275	127	405337	60.020	ng	99
34) Hexachlorobutadiene	8.351	225	215339	59.425	ng	98
35) Caprolactam	8.651	113	102996	64.503	ng	99
36) 4-Chloro-3-methylphenol	8.757	107	347155	60.776	ng	99
37) 2-Methylnaphthalene	8.922	142	728301	57.750	ng	100
38) 1-Methylnaphthalene	9.022	142	690769	57.169	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	350585	58.072	ng	100
41) Hexachlorocyclopentadiene	9.081	237	123367	58.008	ng	98
43) 2,4,6-Trichlorophenol	9.198	196	229993	61.072	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143422.D
Acq On : 15 Aug 2025 17:27
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Aug 15 18:29:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

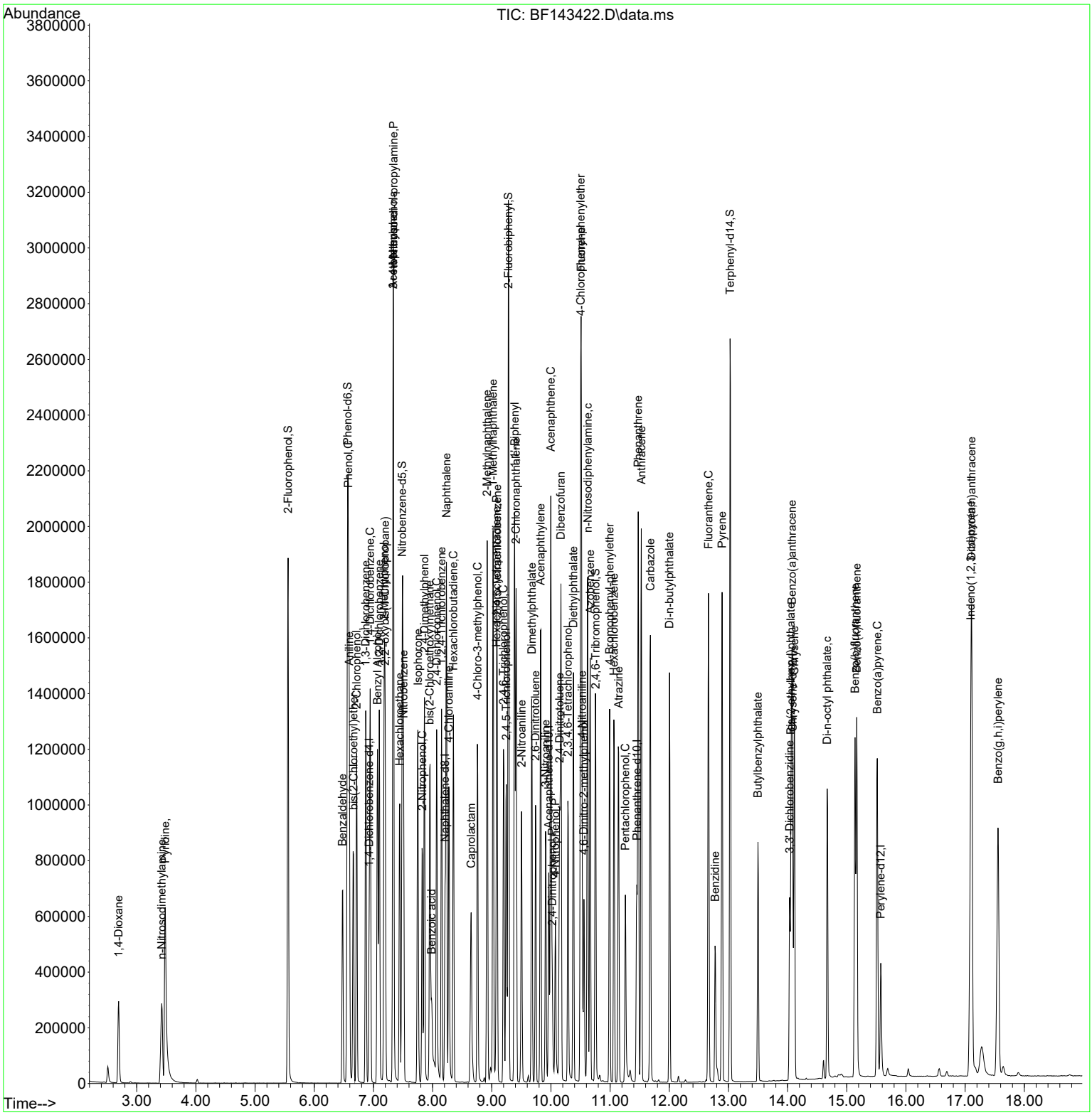
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	244578	60.587	ng	99
46) 1,1'-Biphenyl	9.386	154	864141	56.815	ng	99
47) 2-Chloronaphthalene	9.410	162	693668	57.777	ng	99
48) 2-Nitroaniline	9.504	65	226112	63.287	ng	97
49) Acenaphthylene	9.828	152	1009829	58.256	ng	99
50) Dimethylphthalate	9.675	163	804304	59.596	ng	99
51) 2,6-Dinitrotoluene	9.739	165	170673	64.151	ng	99
52) Acenaphthene	9.998	154	686545	58.887	ng	99
53) 3-Nitroaniline	9.910	138	190315	64.218	ng	99
54) 2,4-Dinitrophenol	10.022	184	75977	62.767	ng	98
55) Dibenzofuran	10.169	168	972484	57.822	ng	99
56) 4-Nitrophenol	10.075	139	127015	68.171	ng	95
57) 2,4-Dinitrotoluene	10.145	165	235687	66.446	ng	99
58) Fluorene	10.510	166	737784	57.102	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.286	232	199075	65.147	ng	98
60) Diethylphthalate	10.380	149	746953	59.893	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	372354	58.290	ng	96
62) 4-Nitroaniline	10.528	138	183532	66.220	ng	99
63) Azobenzene	10.663	77	751747	59.640	ng	99
65) 4,6-Dinitro-2-methylph...	10.557	198	121894	68.289	ng	96
66) n-Nitrosodiphenylamine	10.622	169	646995	57.518	ng	100
67) 4-Bromophenyl-phenylether	10.992	248	239597	58.650	ng	99
68) Hexachlorobenzene	11.063	284	253488	58.367	ng	99
69) Atrazine	11.145	200	208818	63.468	ng	99
70) Pentachlorophenol	11.257	266	127891	66.328	ng	99
71) Phenanthrene	11.475	178	1073495	57.303	ng	100
72) Anthracene	11.527	178	1084628	57.323	ng	99
73) Carbazole	11.680	167	944227	59.003	ng	100
74) Di-n-butylphthalate	12.004	149	1011466	63.470	ng	99
75) Fluoranthene	12.663	202	991147	59.543	ng	99
77) Benzidine	12.774	184	298398	57.369	ng	100
78) Pyrene	12.892	202	995037	62.306	ng	100
80) Butylbenzylphthalate	13.498	149	268326	67.834	ng	99
81) Benzo(a)anthracene	14.074	228	733117	62.671	ng	100
82) 3,3'-Dichlorobenzidine	14.033	252	212422	62.021	ng	99
83) Chrysene	14.116	228	627062	57.984	ng	99
84) Bis(2-ethylhexyl)phtha...	14.057	149	357629	63.663	ng	99
85) Di-n-octyl phthalate	14.668	149	708936	62.221	ng	99
87) Indeno(1,2,3-cd)pyrene	17.098	276	1057633	60.138	ng	99
88) Benzo(b)fluoranthene	15.139	252	732842	58.304	ng	99
89) Benzo(k)fluoranthene	15.168	252	760663	61.356	ng	99
90) Benzo(a)pyrene	15.515	252	733266	61.250	ng	100
91) Dibenzo(a,h)anthracene	17.109	278	850641	60.230	ng	99
92) Benzo(g,h,i)perylene	17.556	276	854308	60.552	ng	99

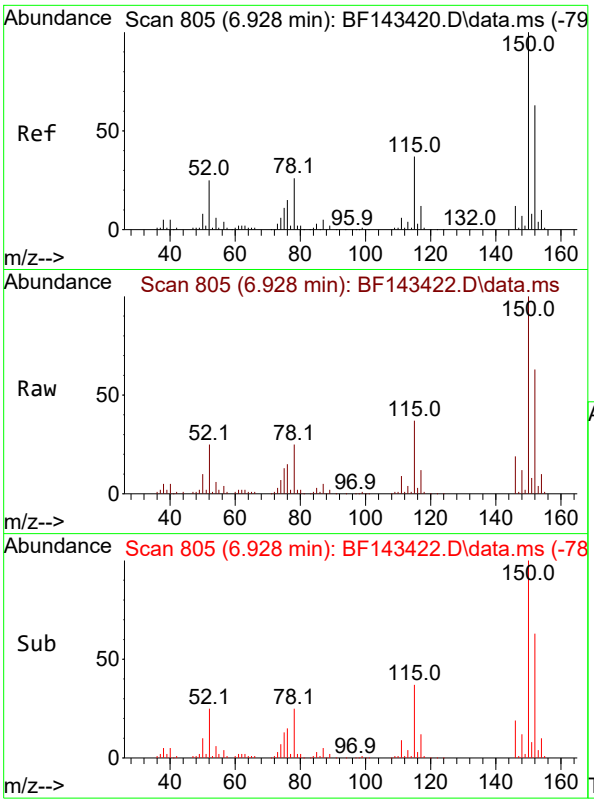
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143422.D
Acq On : 15 Aug 2025 17:27
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Aug 15 18:29:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration



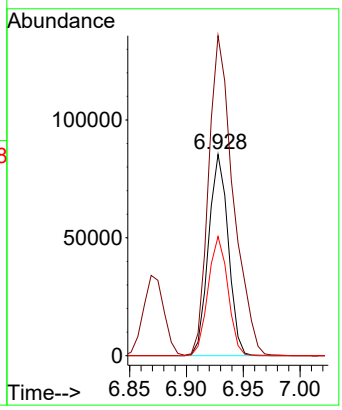


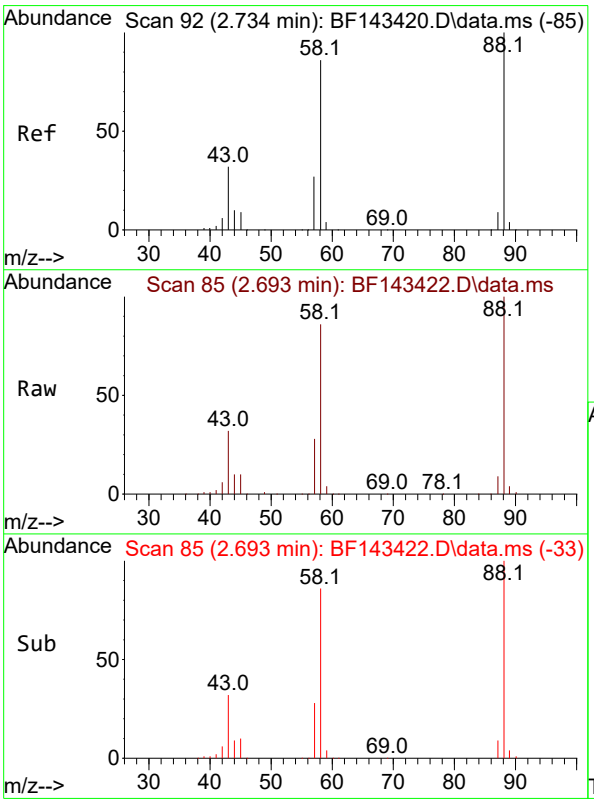
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 103004

Ion	Ratio	Lower	Upper
152	100		
150	158.9	127.4	191.2
115	59.2	47.5	71.3

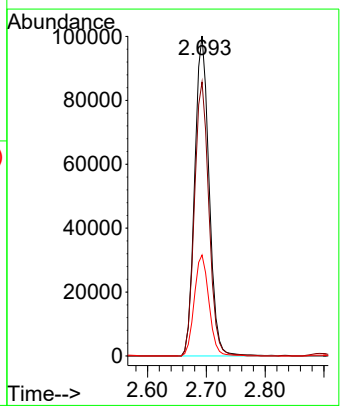


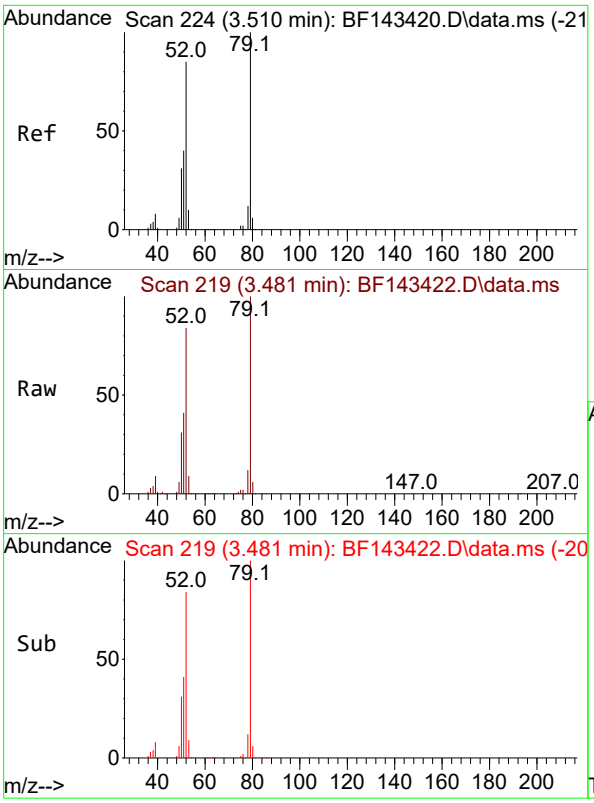


#2
1,4-Dioxane
Concen: 59.648 ng
RT: 2.693 min Scan# 85
Delta R.T. -0.041 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion: 88 Resp: 170131

Ion	Ratio	Lower	Upper
88	100		
58	86.1	68.7	103.1
43	32.1	26.1	39.1



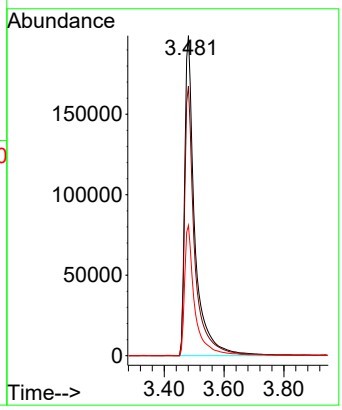


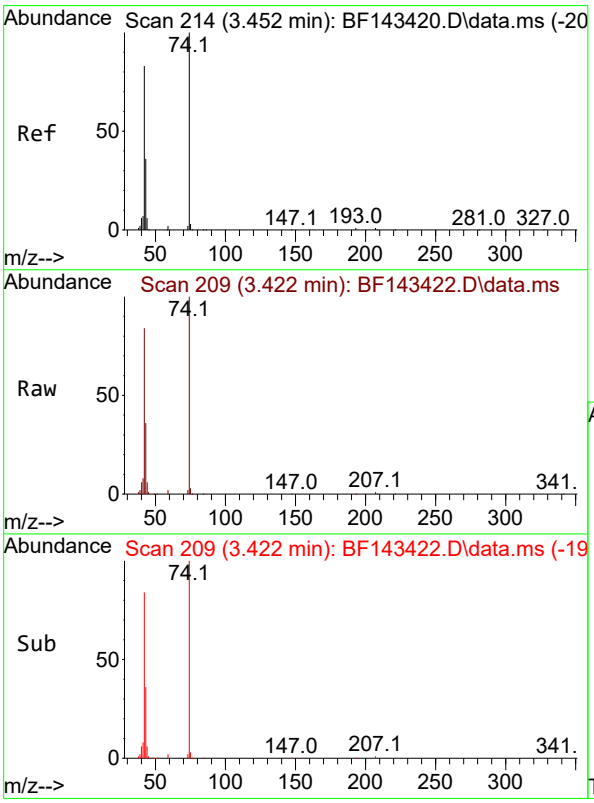
#3
Pyridine
Concen: 62.578 ng
RT: 3.481 min Scan# 21
Delta R.T. -0.030 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 468124

Ion	Ratio	Lower	Upper
79	100		
52	84.2	67.7	101.5
51	40.7	32.3	48.5

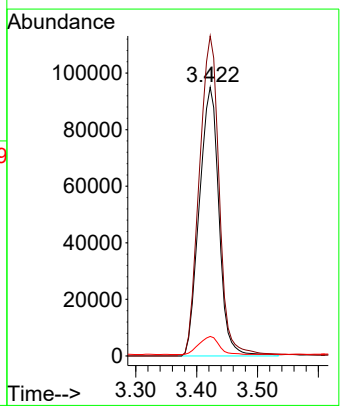


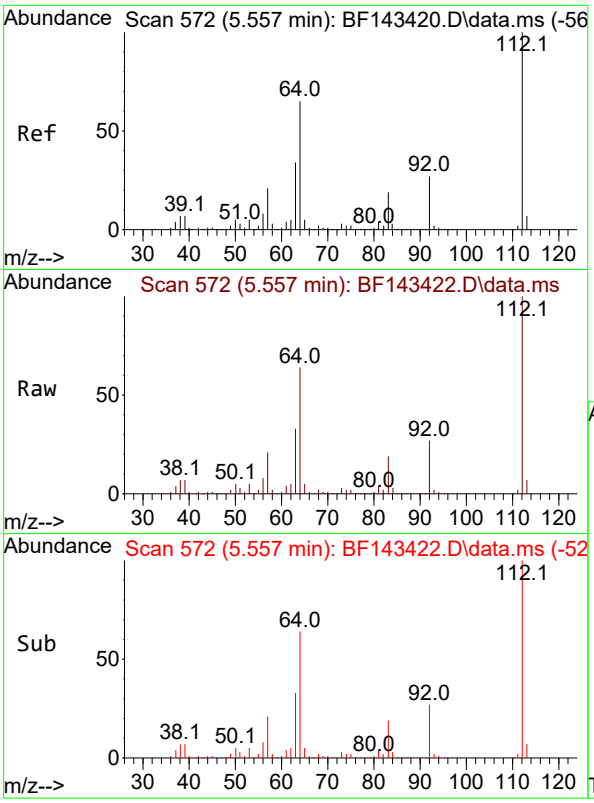


#4
n-Nitrosodimethylamine
Concen: 61.294 ng
RT: 3.422 min Scan# 209
Delta R.T. -0.030 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion: 42 Resp: 213122

Ion	Ratio	Lower	Upper
42	100		
74	119.0	96.2	144.4
44	7.3	5.9	8.9



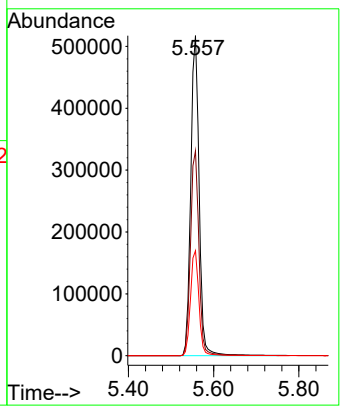


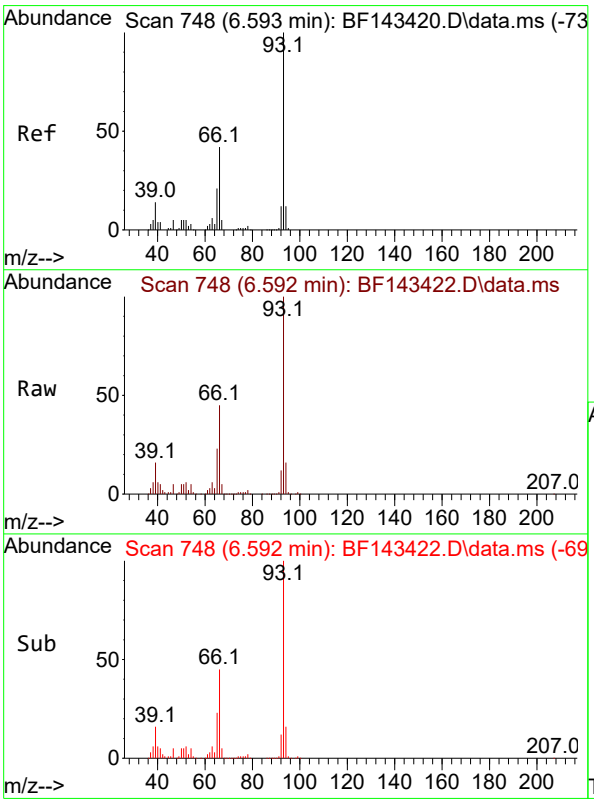
#5
2-Fluorophenol
Concen: 119.261 ng
RT: 5.557 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 706677

Ion	Ratio	Lower	Upper
112	100		
64	64.0	52.2	78.2
63	32.8	27.0	40.6

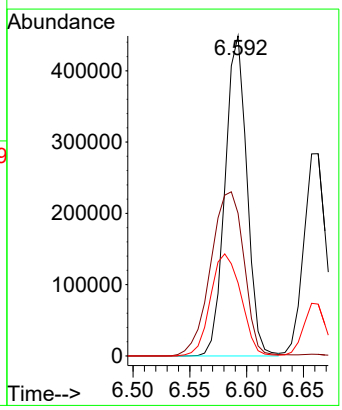


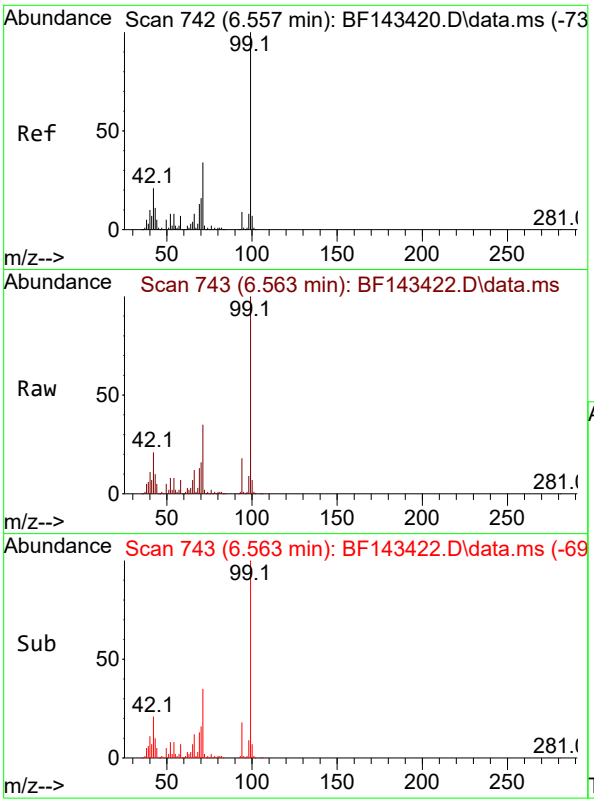


#6
Aniline
Concen: 59.251 ng
RT: 6.592 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion: 93 Resp: 600661

Ion	Ratio	Lower	Upper
93	100		
66	44.6	33.8	50.8
65	22.8	17.2	25.8



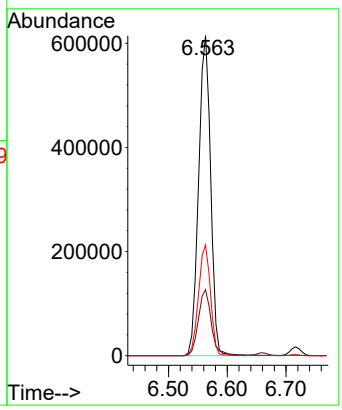


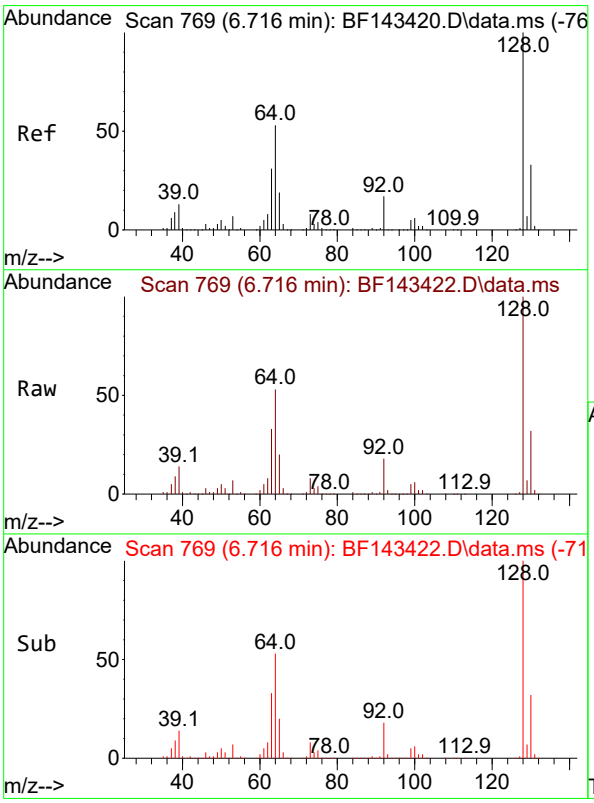
#7
Phenol-d6
Concen: 117.052 ng
RT: 6.563 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 874080

Ion	Ratio	Lower	Upper
99	100		
42	20.6	17.0	25.6
71	34.6	27.4	41.2

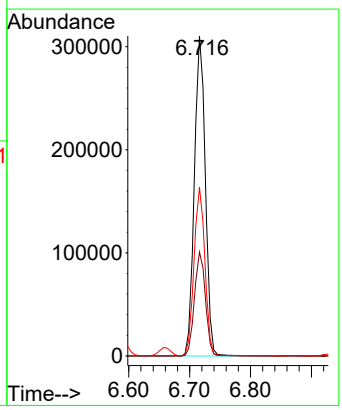


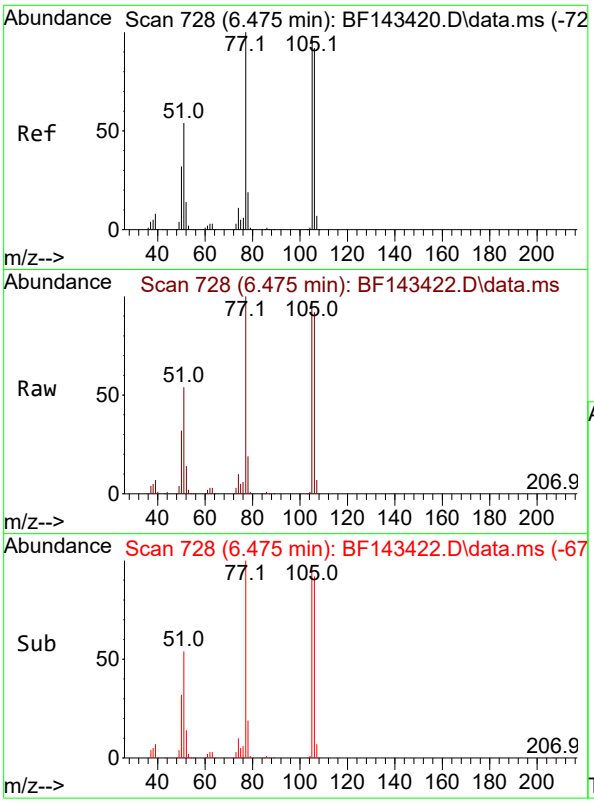


#8
2-Chlorophenol
Concen: 59.438 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:128 Resp: 388837

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.9	52.9
64	52.7	33.1	73.1



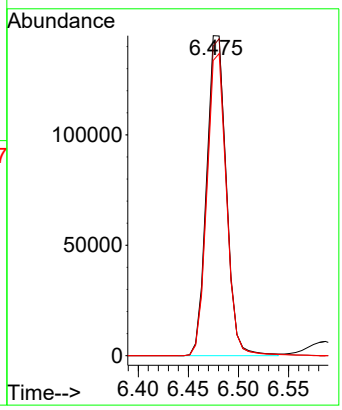


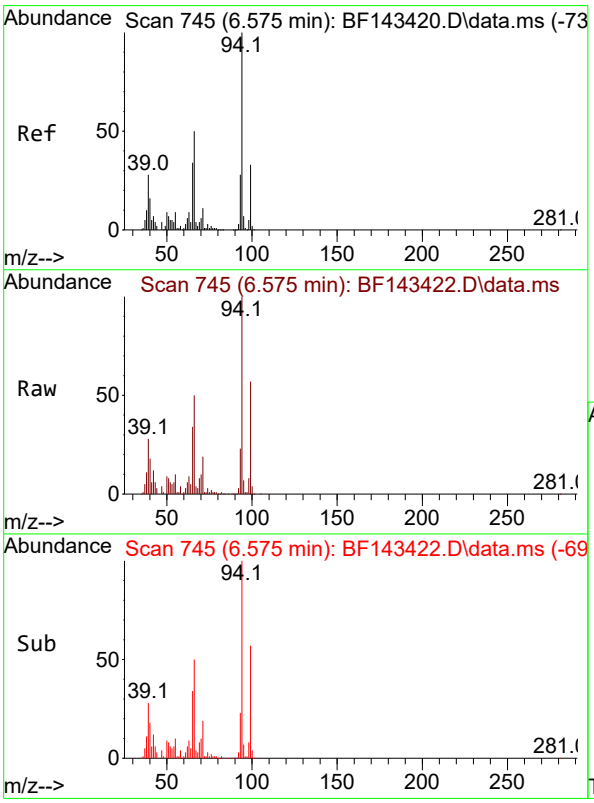
#9
Benzaldehyde
Concen: 49.820 ng
RT: 6.475 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 197912

Ion	Ratio	Lower	Upper
77	100		
105	96.7	75.5	115.5
106	92.2	72.0	112.0

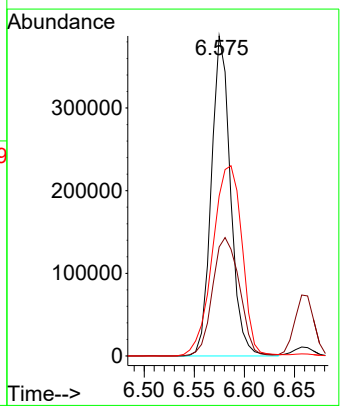


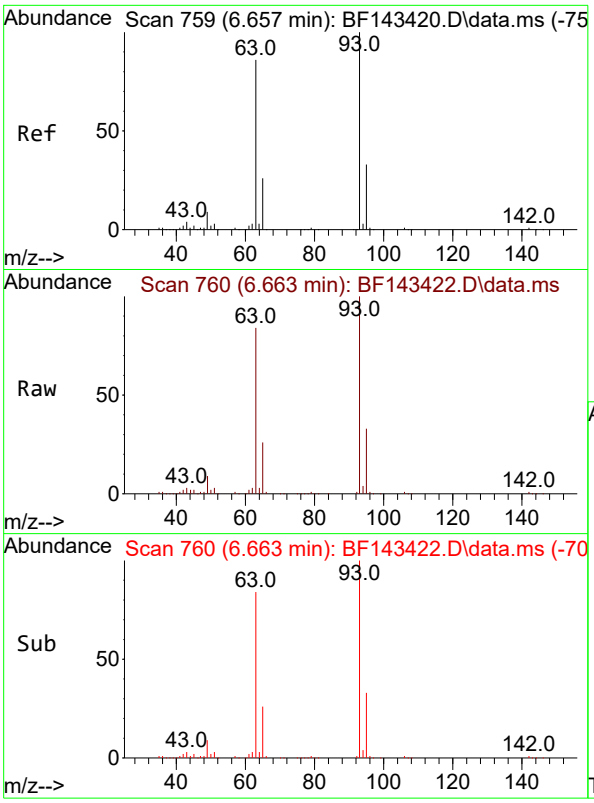


#10
Phenol
Concen: 59.074 ng
RT: 6.575 min Scan# 745
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion: 94 Resp: 514768

Ion	Ratio	Lower	Upper
94	100		
65	34.0	13.7	53.7
66	50.0	30.3	70.3



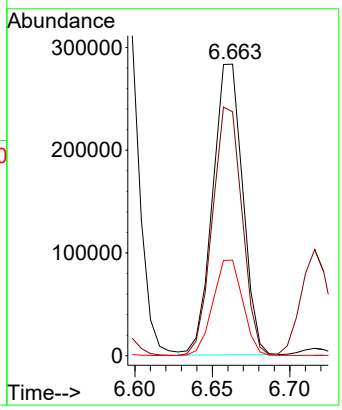


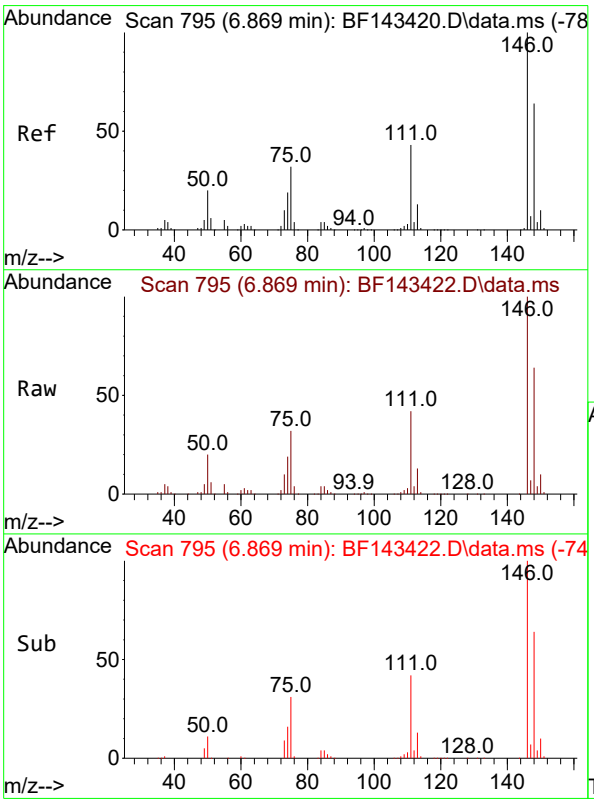
#11
bis(2-Chloroethyl)ether
Concen: 59.028 ng
RT: 6.663 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 381275

Ion	Ratio	Lower	Upper
93	100		
63	83.6	65.4	105.4
95	32.8	12.8	52.8

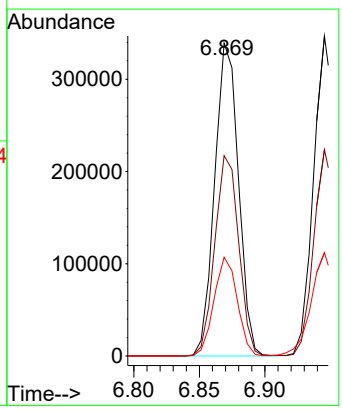


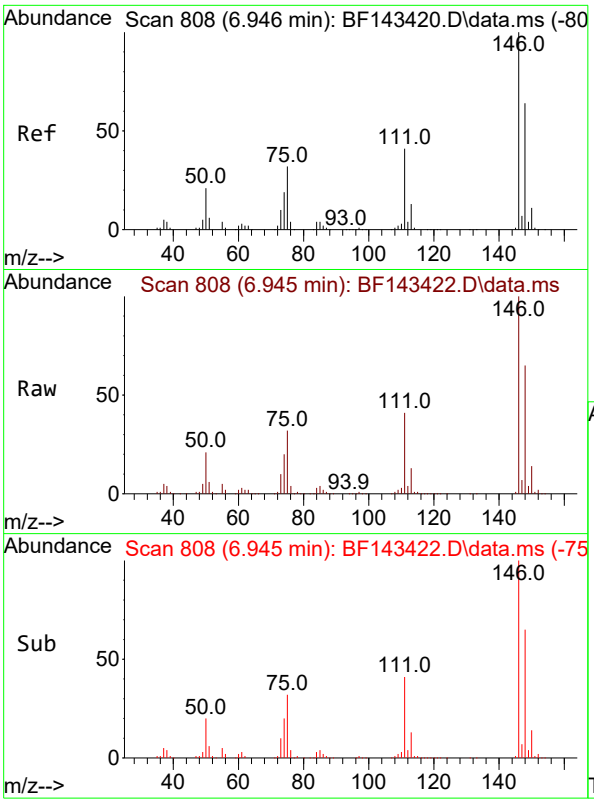


#12
1,3-Dichlorobenzene
Concen: 58.383 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:146 Resp: 427836

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.0	76.4
75	31.6	25.3	37.9



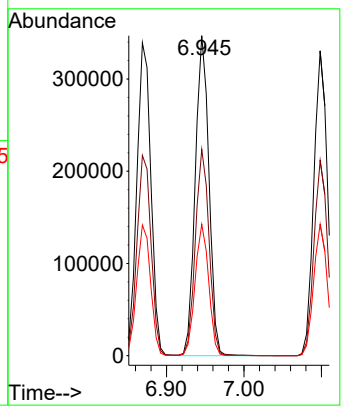


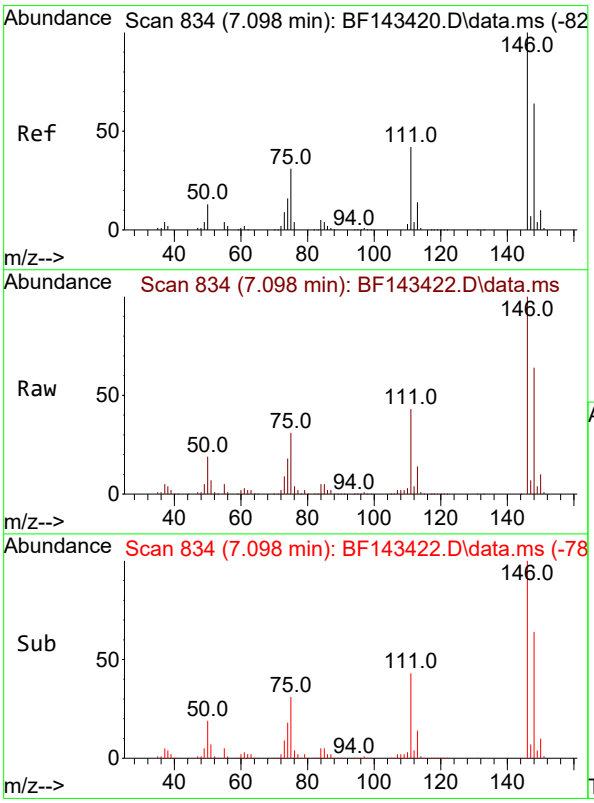
#13
1,4-Dichlorobenzene
Concen: 58.184 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 425679

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.1	76.7
111	41.0	32.5	48.7

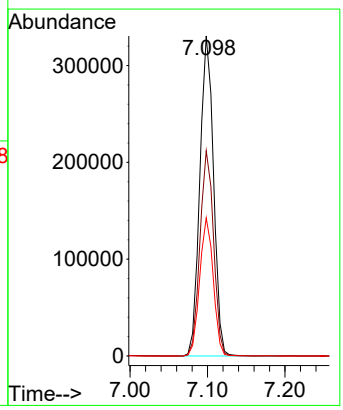


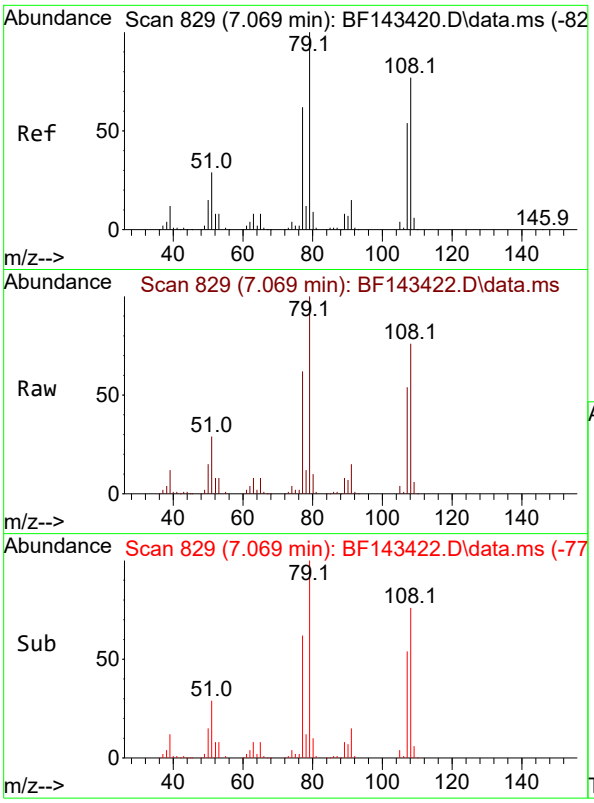


#14
1,2-Dichlorobenzene
Concen: 57.945 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:146 Resp: 404912

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.4	77.0
111	43.2	33.9	50.9



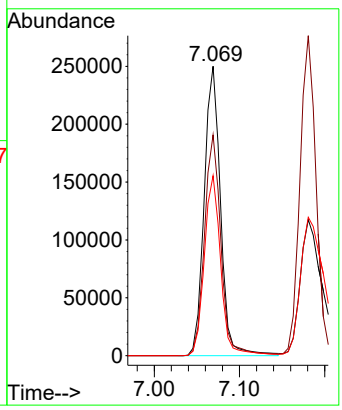


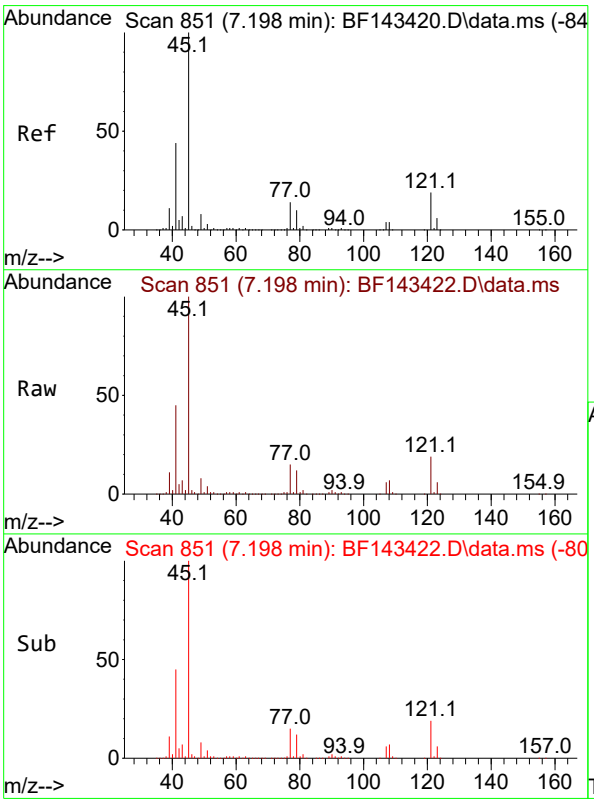
#15
Benzyl Alcohol
Concen: 60.623 ng
RT: 7.069 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 333850

Ion	Ratio	Lower	Upper
79	100		
108	76.3	61.9	92.9
77	62.2	49.2	73.8

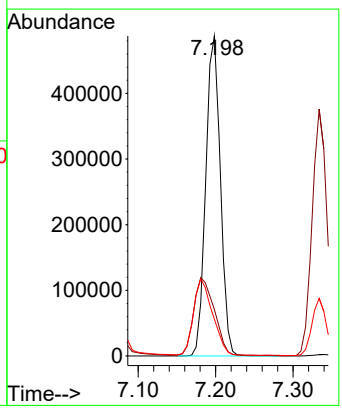


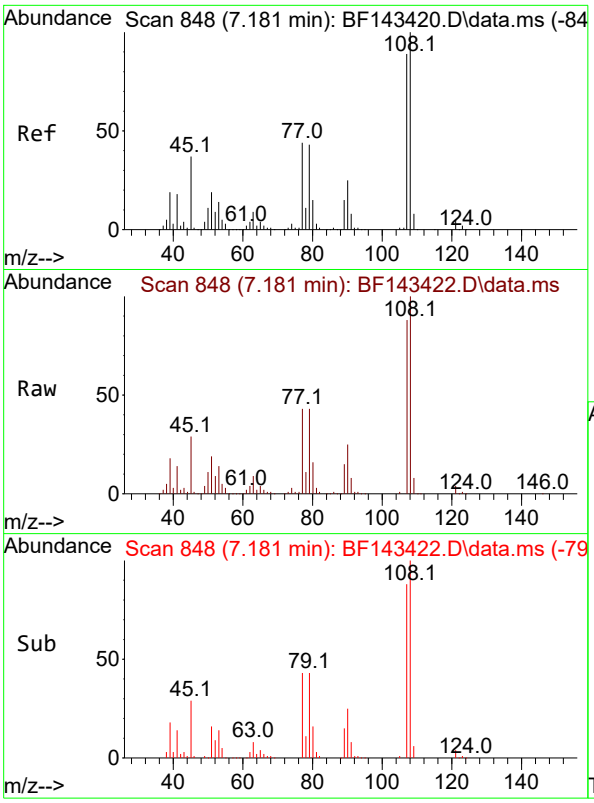


#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.816 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion: 45 Resp: 638435

Ion	Ratio	Lower	Upper
45	100		
77	14.5	0.0	33.9
79	11.5	0.0	30.7



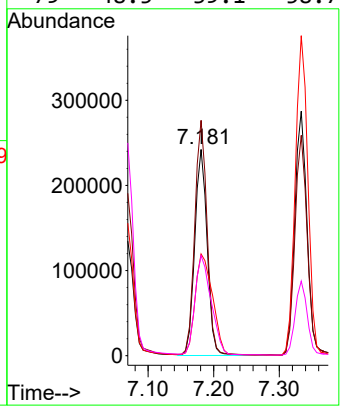


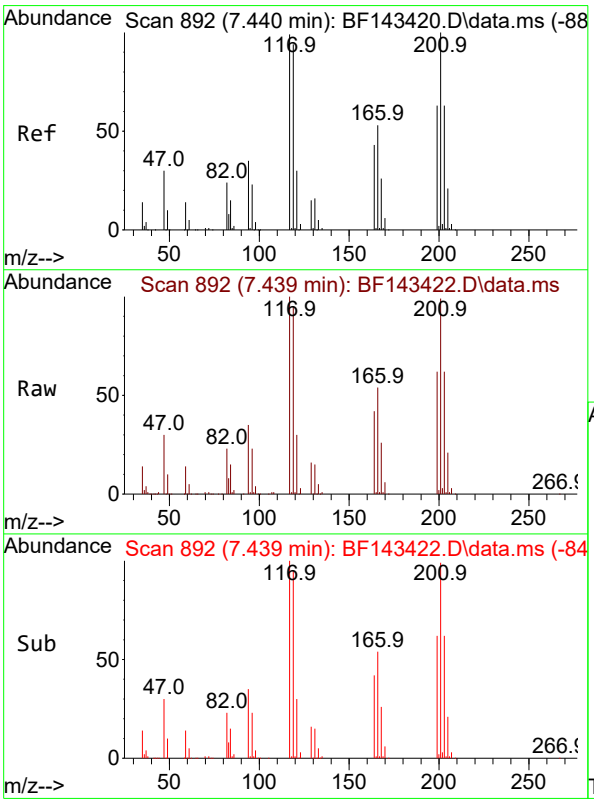
#17
2-Methylphenol
Concen: 59.925 ng
RT: 7.181 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 319847

Ion	Ratio	Lower	Upper
107	100		
108	114.1	90.1	135.1
77	49.3	39.9	59.9
79	48.5	39.1	58.7

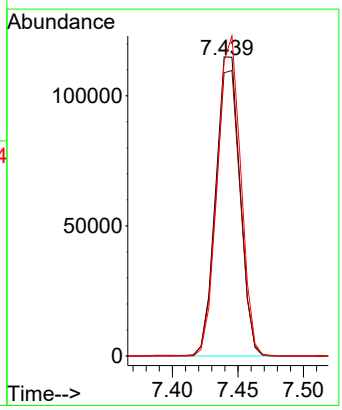


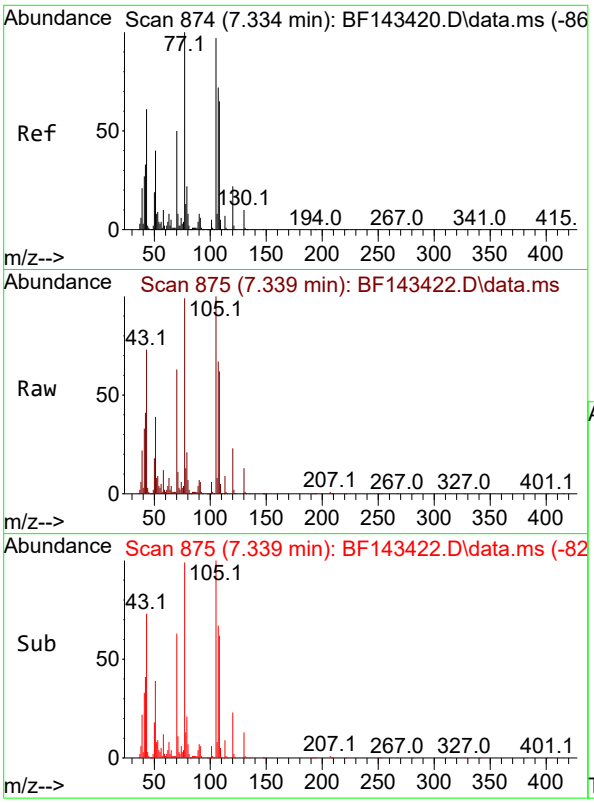


#18
Hexachloroethane
Concen: 59.362 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:117 Resp: 147825

Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.6	114.8
201	98.7	81.0	121.4



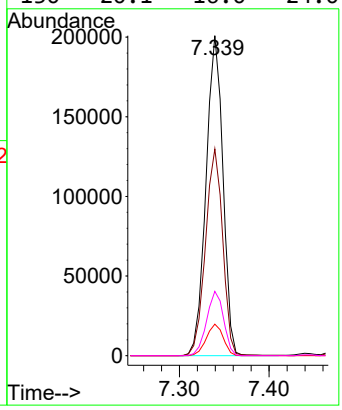


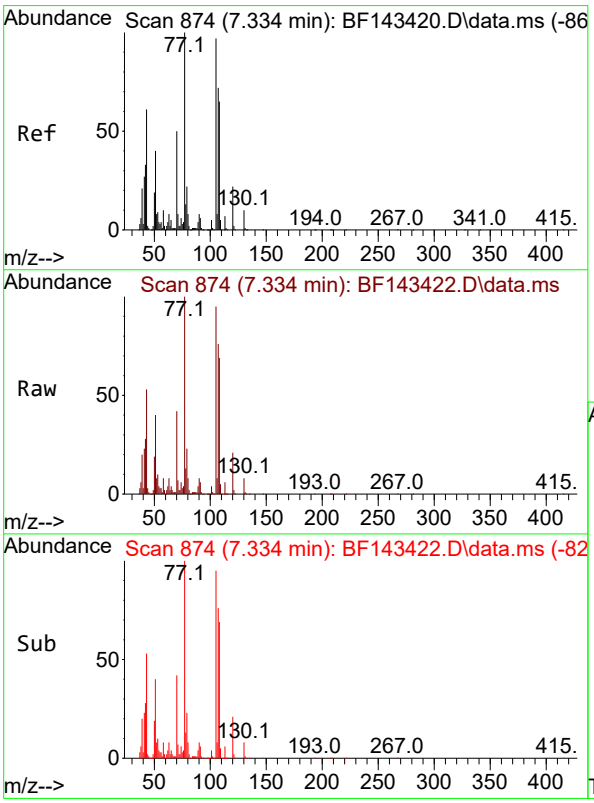
#19
n-Nitroso-di-n-propylamine
Concen: 56.976 ng
RT: 7.339 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 263397

Ion	Ratio	Lower	Upper
70	100		
42	64.6	52.5	78.7
101	9.9	7.9	11.9
130	20.1	16.0	24.0

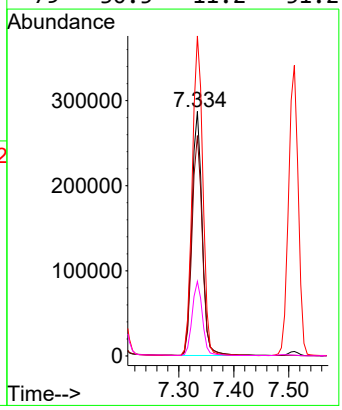


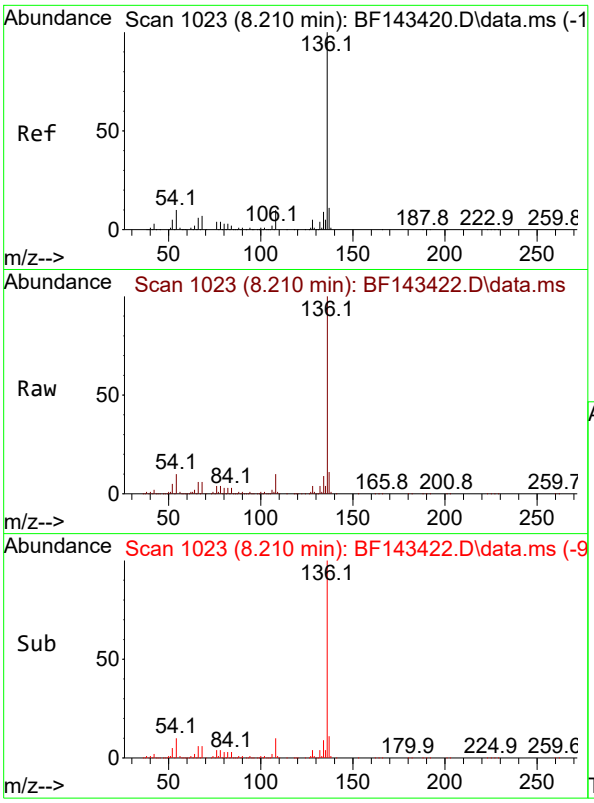


#20
3+4-Methylphenols
Concen: 58.800 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:107 Resp: 375256

Ion	Ratio	Lower	Upper
107	100		
108	90.1	70.8	110.8
77	130.9	119.1	159.1
79	30.5	11.2	51.2



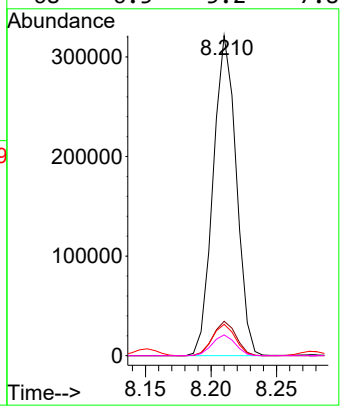


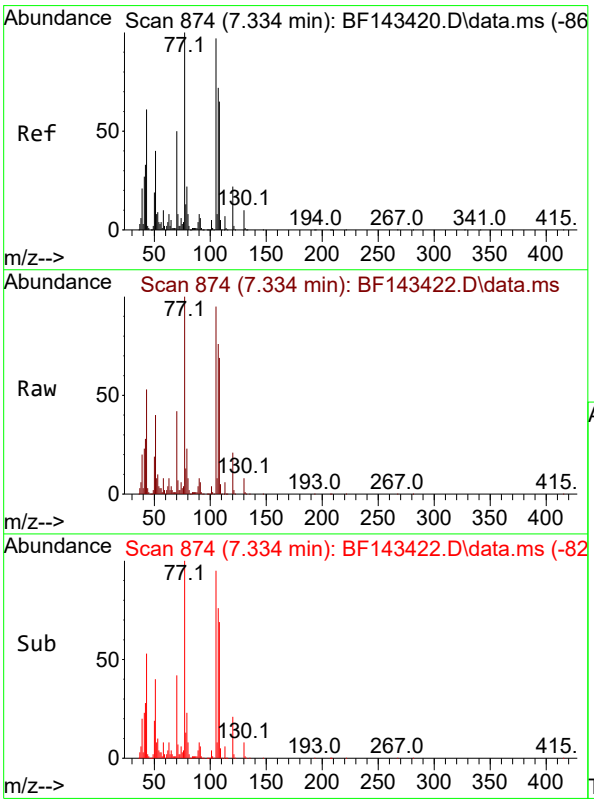
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 394093

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	9.8	7.8	11.8
68	6.5	5.2	7.8

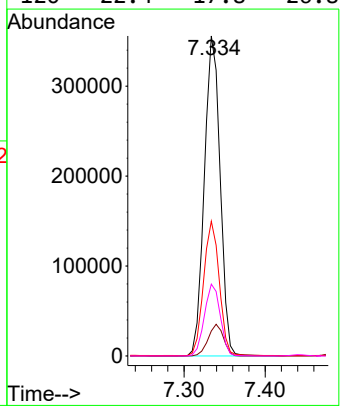


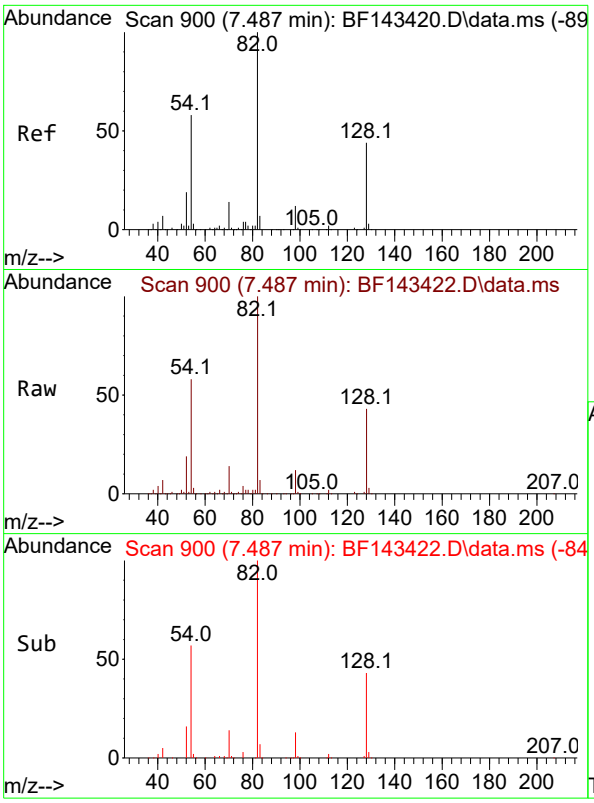


#22
Acetophenone
Concen: 56.709 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:105 Resp: 480508

Ion	Ratio	Lower	Upper
105	100		
71	7.8	7.0	10.4
51	42.1	32.7	49.1
120	22.4	17.8	26.8



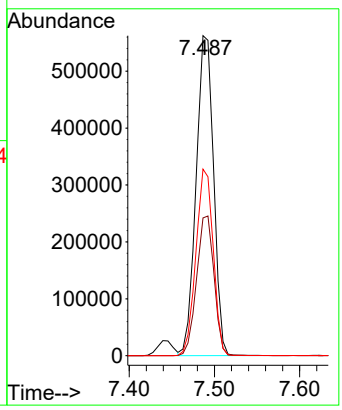


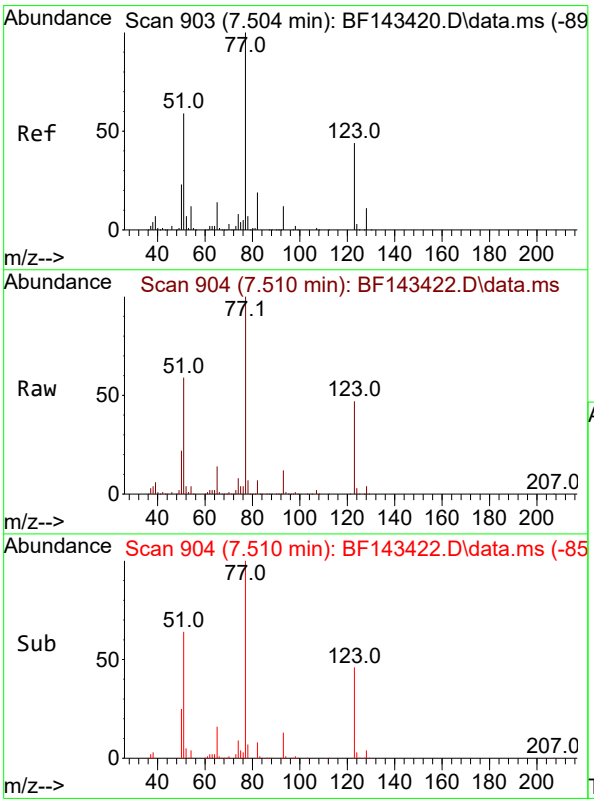
#23
Nitrobenzene-d5
Concen: 120.677 ng
RT: 7.487 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 801462

Ion	Ratio	Lower	Upper
82	100		
128	43.1	34.6	52.0
54	58.3	46.0	69.0

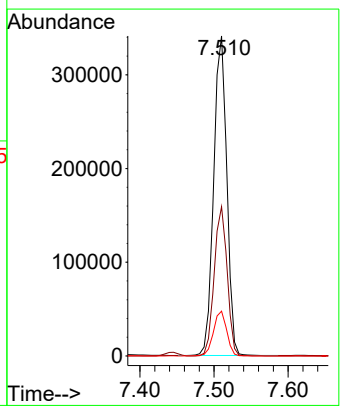


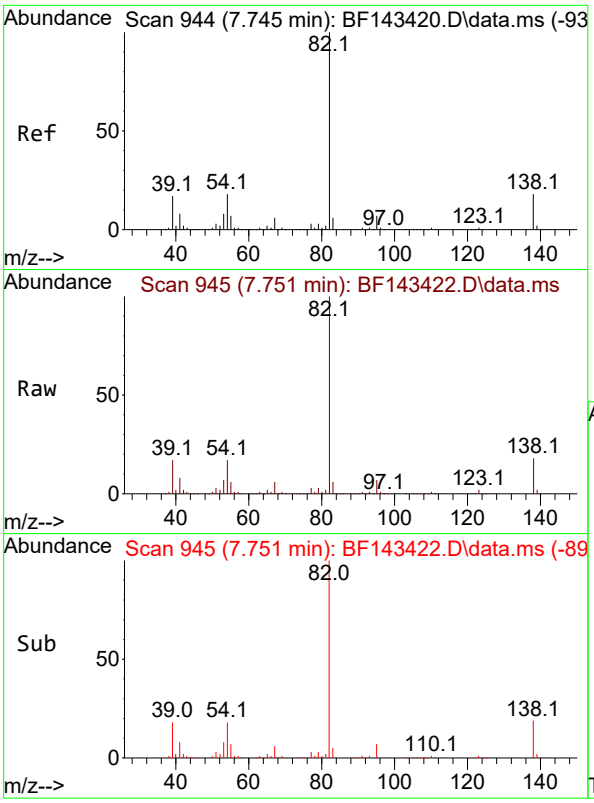


#24
Nitrobenzene
Concen: 60.296 ng
RT: 7.510 min Scan# 904
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion: 77 Resp: 418529

Ion	Ratio	Lower	Upper
77	100		
123	46.6	35.4	53.0
65	14.0	11.2	16.8



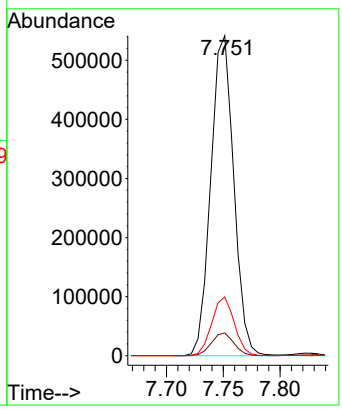


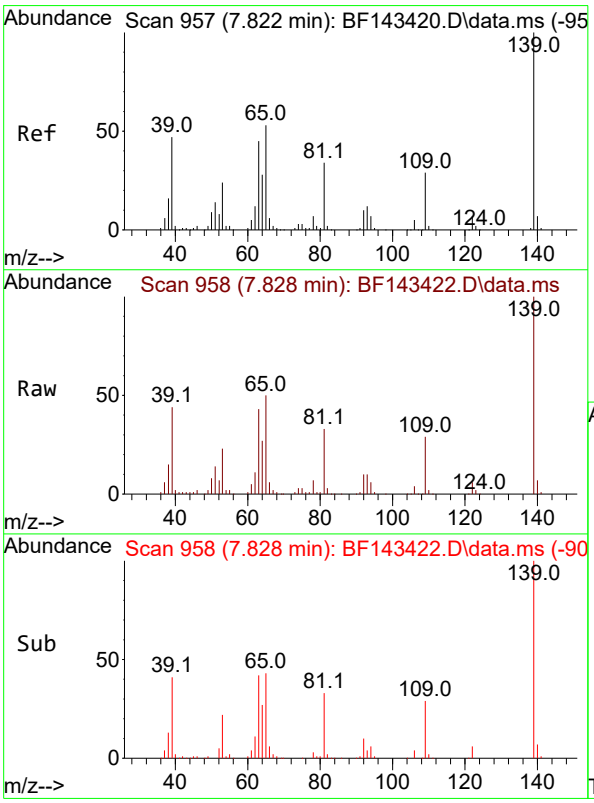
#25
Isophorone
Concen: 59.959 ng
RT: 7.751 min Scan# 94
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 762143

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.6	8.4
138	18.3	14.3	21.5

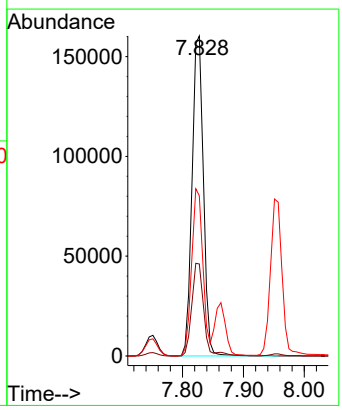


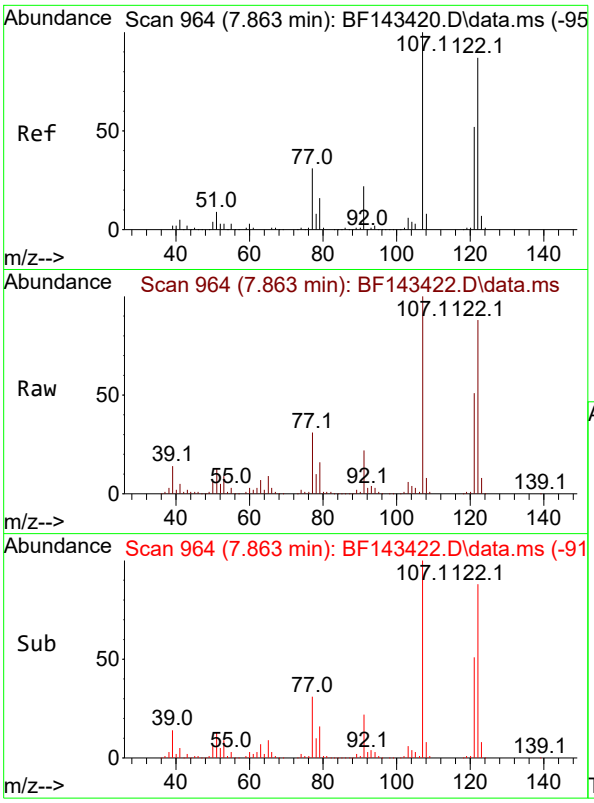


#26
2-Nitrophenol
Concen: 64.610 ng
RT: 7.828 min Scan# 958
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:139 Resp: 207903

Ion	Ratio	Lower	Upper
139	100		
109	28.7	23.0	34.4
65	50.0	42.5	63.7



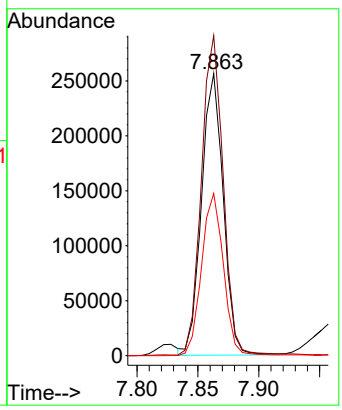


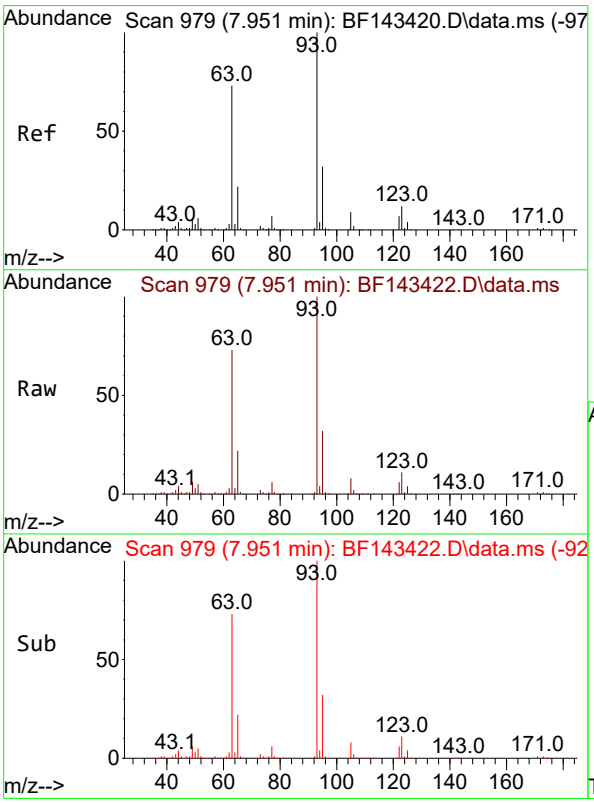
#27
2,4-Dimethylphenol
Concen: 58.521 ng
RT: 7.863 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 318392

Ion	Ratio	Lower	Upper
122	100		
107	113.4	90.4	135.6
121	57.5	46.7	70.1

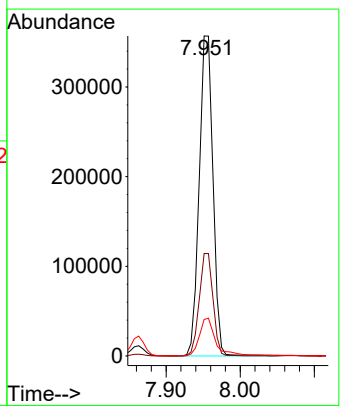


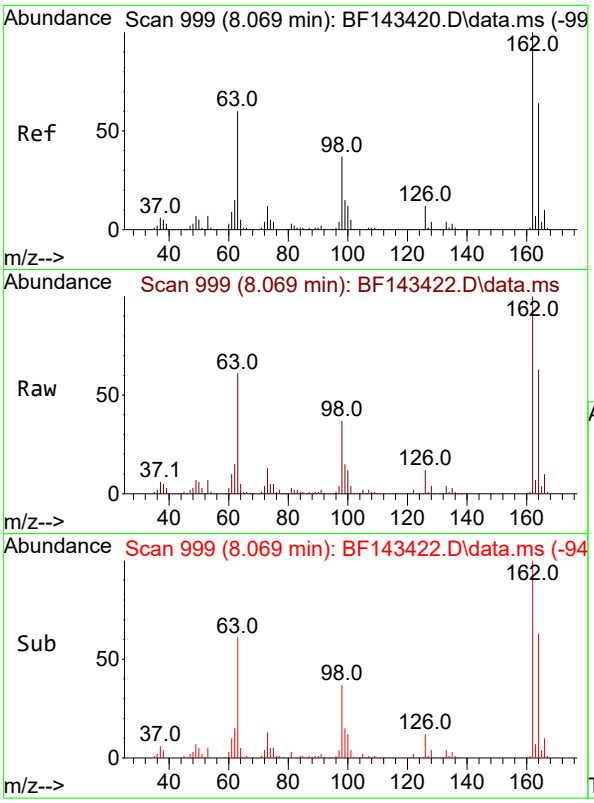


#28
bis(2-Chloroethoxy)methane
Concen: 59.257 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion: 93 Resp: 462973

Ion	Ratio	Lower	Upper
93	100		
95	32.0	26.0	39.0
123	11.4	9.5	14.3



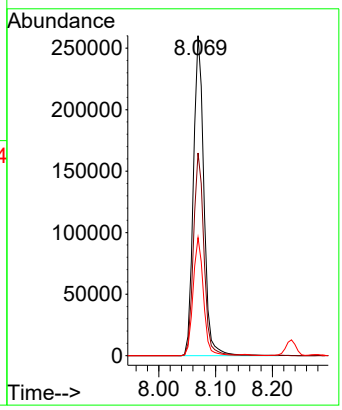


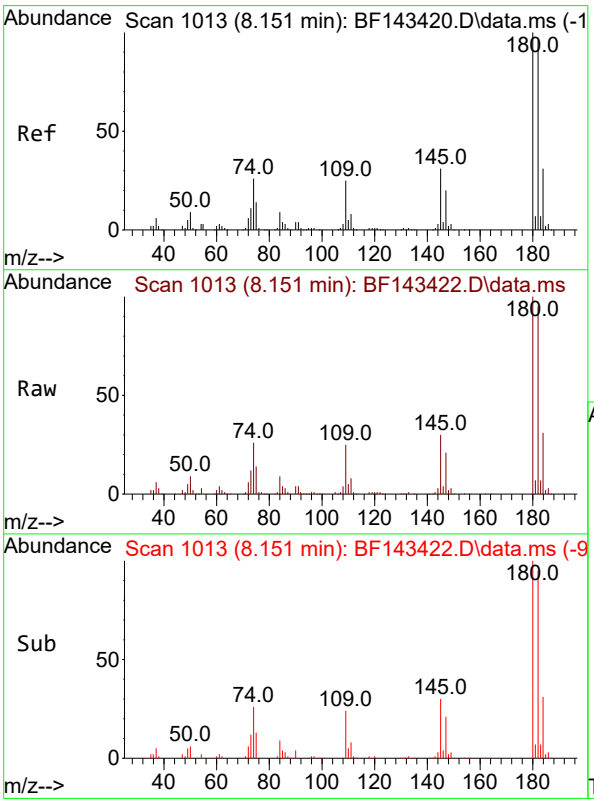
#29
2,4-Dichlorophenol
Concen: 60.564 ng
RT: 8.069 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 335897

Ion	Ratio	Lower	Upper
162	100		
164	63.3	44.3	84.3
98	36.9	16.9	56.9

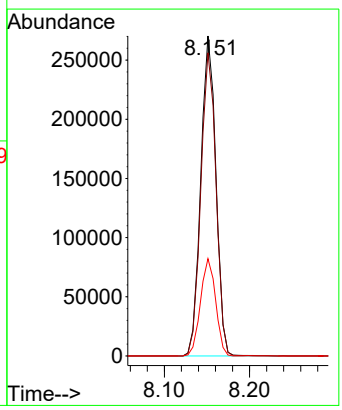


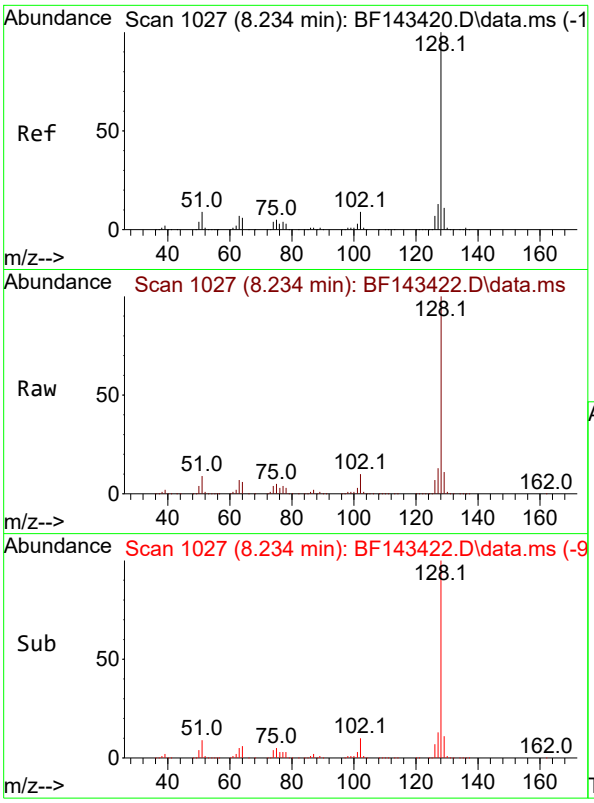


#30
1,2,4-Trichlorobenzene
Concen: 58.729 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:180 Resp: 333743

Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.7	115.1
145	30.4	24.5	36.7



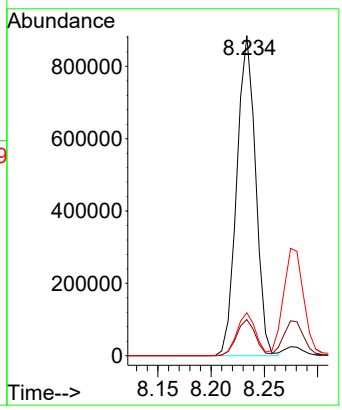


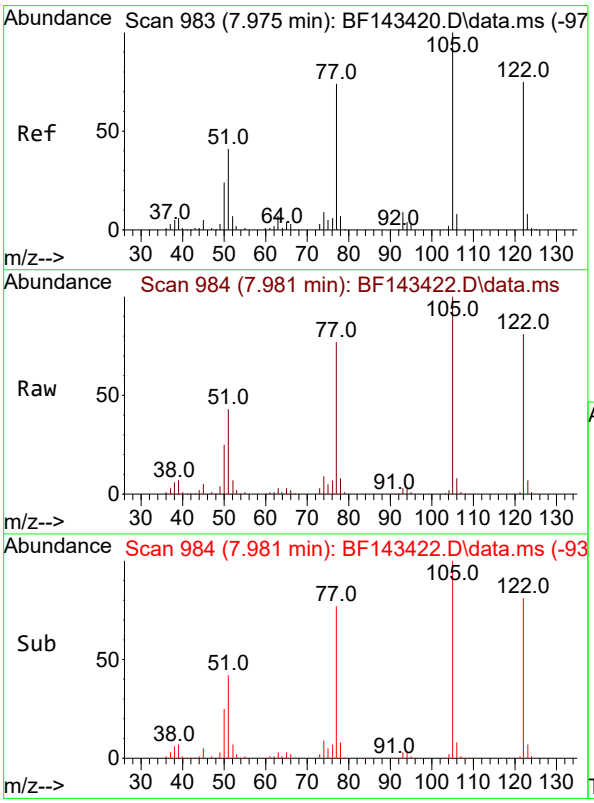
#31
Naphthalene
Concen: 58.181 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 1088551

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.4	10.6	16.0

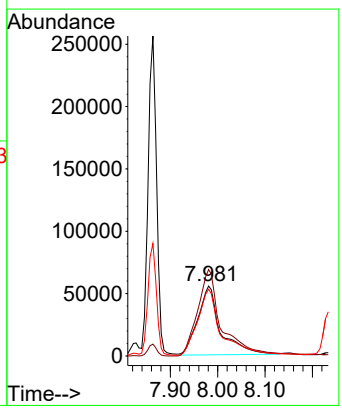


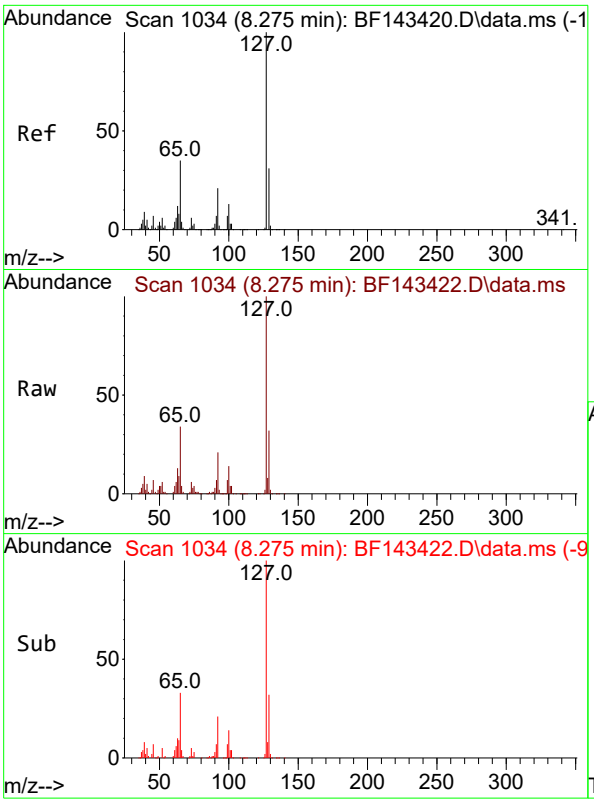


#32
Benzoic acid
Concen: 65.770 ng
RT: 7.981 min Scan# 984
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:122 Resp: 185215

Ion	Ratio	Lower	Upper
122	100		
105	123.7	108.4	148.4
77	95.5	75.9	115.9



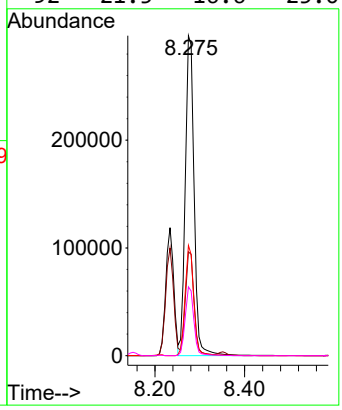


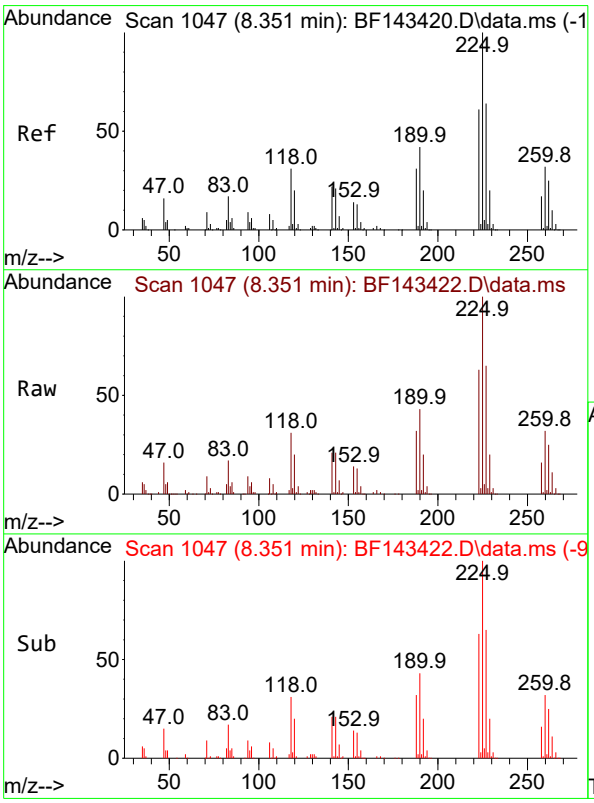
#33
4-Chloroaniline
Concen: 60.020 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 405337

Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.8	38.8
65	34.4	27.2	40.8
92	21.5	16.6	25.0

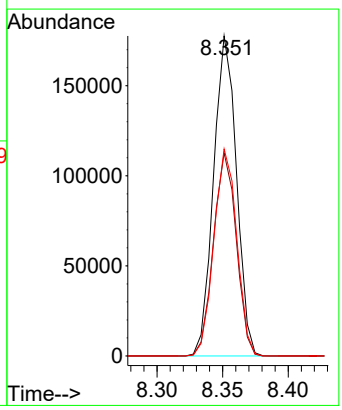


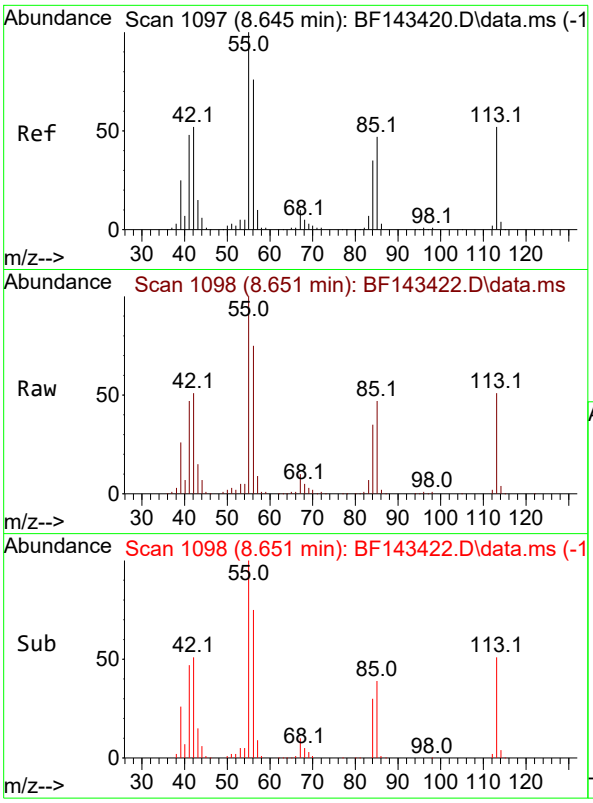


#34
Hexachlorobutadiene
Concen: 59.425 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:225 Resp: 215339

Ion	Ratio	Lower	Upper
225	100		
223	63.5	49.0	73.6
227	64.7	51.1	76.7



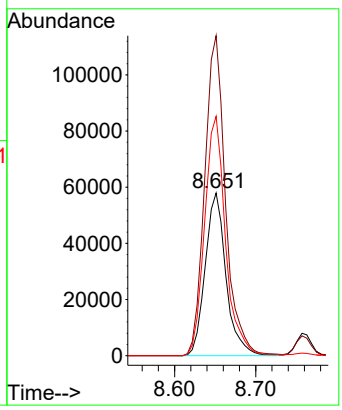


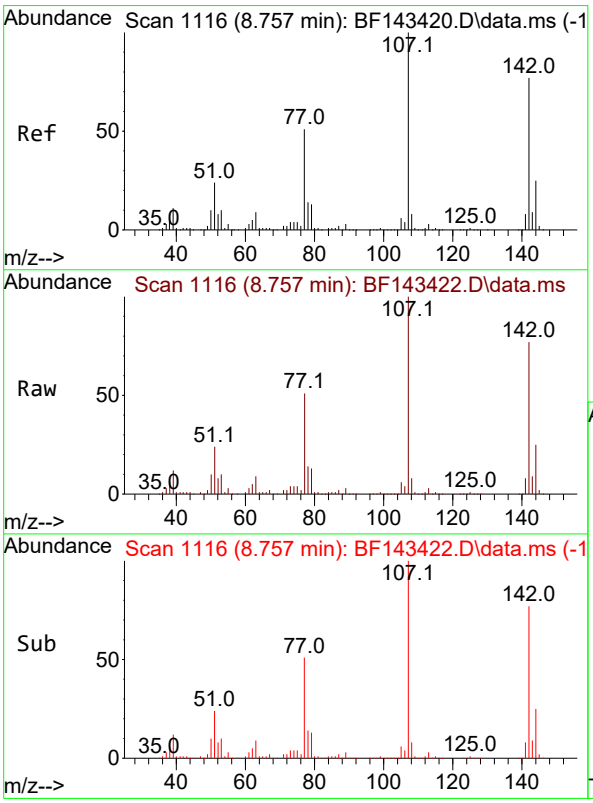
#35
Caprolactam
Concen: 64.503 ng
RT: 8.651 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 102996

Ion	Ratio	Lower	Upper
113	100		
55	196.7	174.7	214.7
56	147.2	127.0	167.0

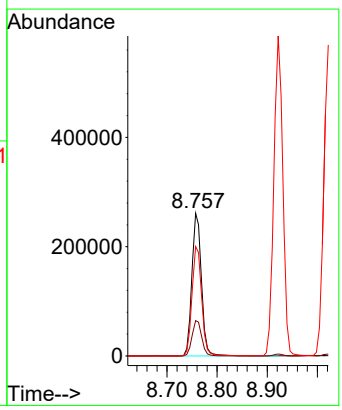


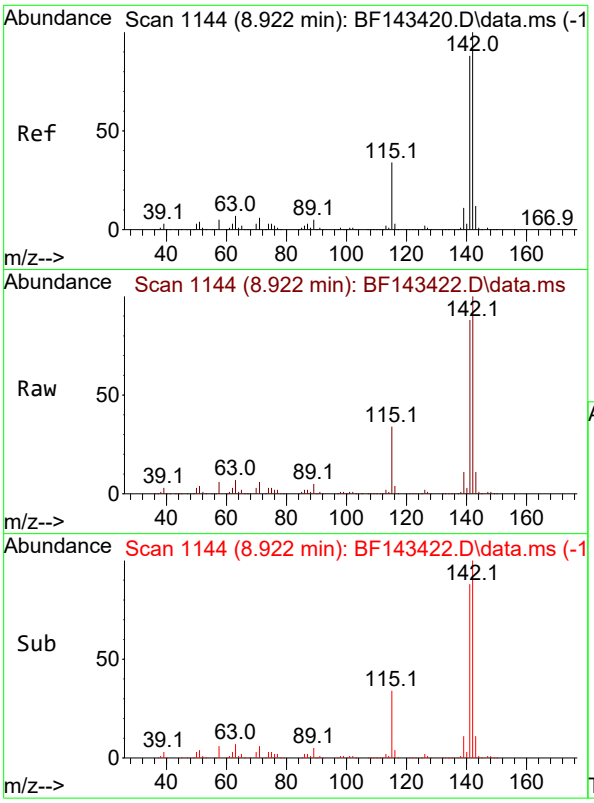


#36
4-Chloro-3-methylphenol
Concen: 60.776 ng
RT: 8.757 min Scan# 1116
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:107 Resp: 347155

Ion	Ratio	Lower	Upper
107	100		
144	24.8	20.2	30.2
142	76.7	62.0	93.0



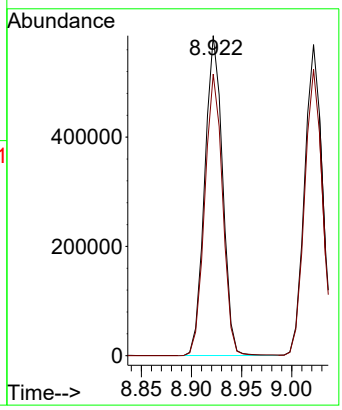


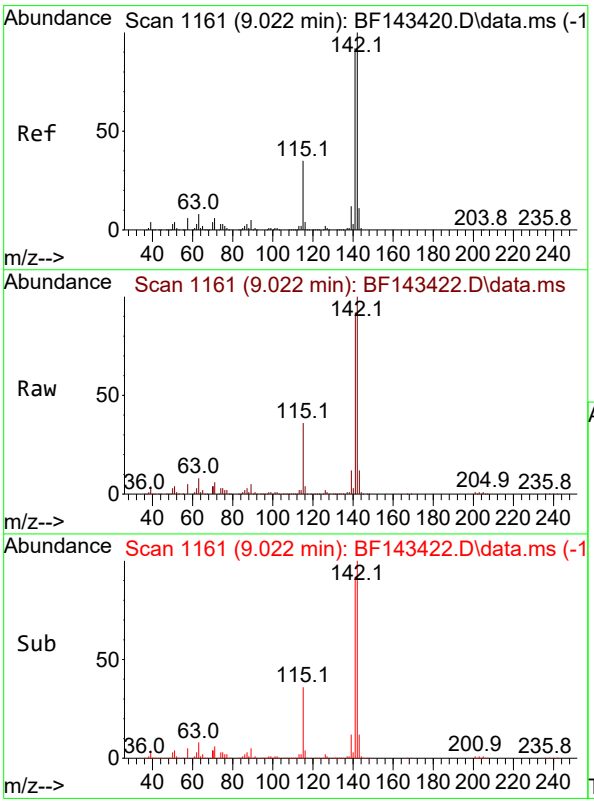
#37
2-Methylnaphthalene
Concen: 57.750 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 728301

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.3	105.5

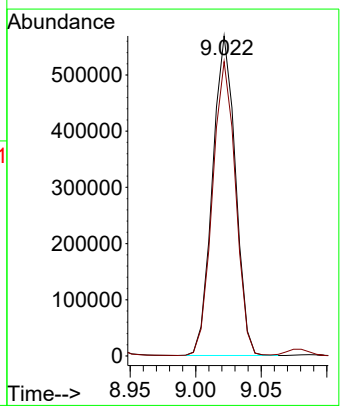


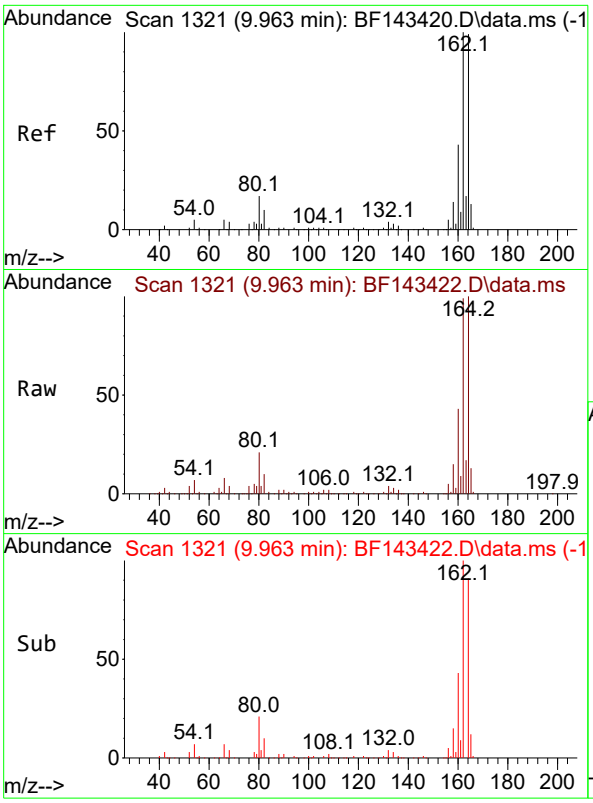


#38
1-Methylnaphthalene
Concen: 57.169 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:142 Resp: 690769

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.8	110.6



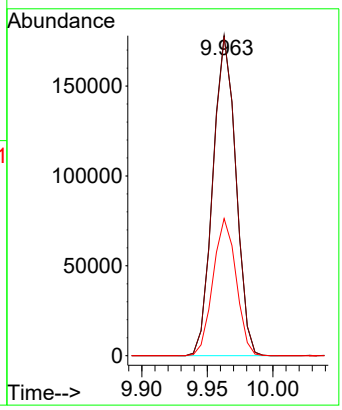


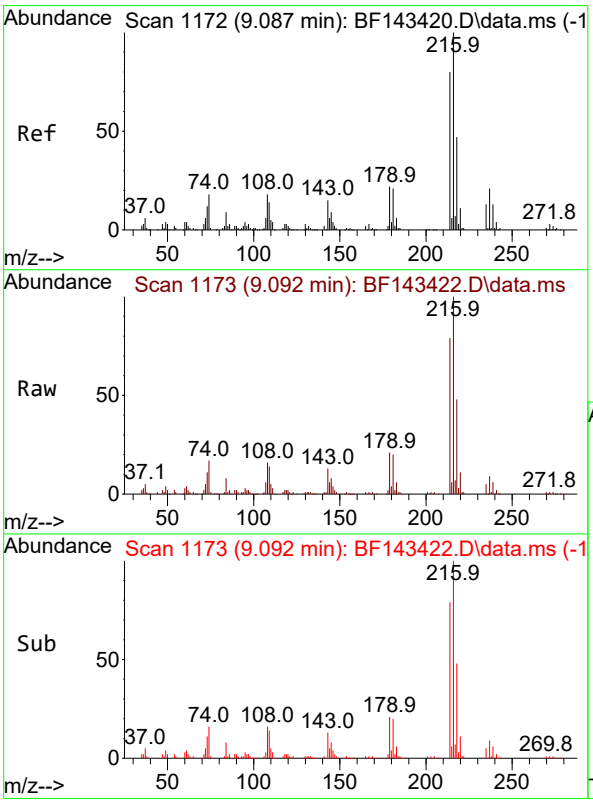
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 216471

Ion	Ratio	Lower	Upper
164	100		
162	99.5	80.6	121.0
160	42.9	34.6	51.8

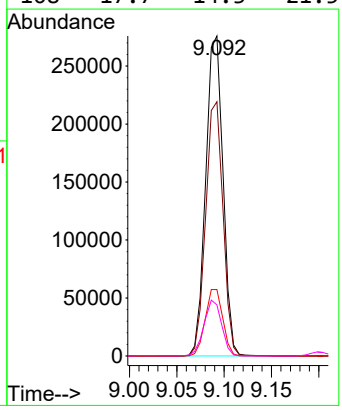


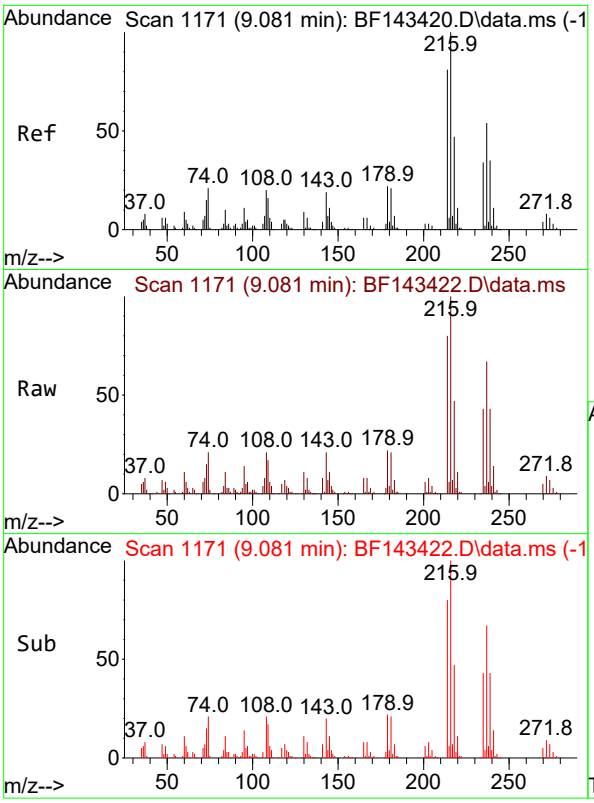


#40
1,2,4,5-Tetrachlorobenzene
Concen: 58.072 ng
RT: 9.092 min Scan# 1173
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:216 Resp: 350585

Ion	Ratio	Lower	Upper
216	100		
214	79.6	63.7	95.5
179	21.0	17.0	25.4
108	17.7	14.3	21.5



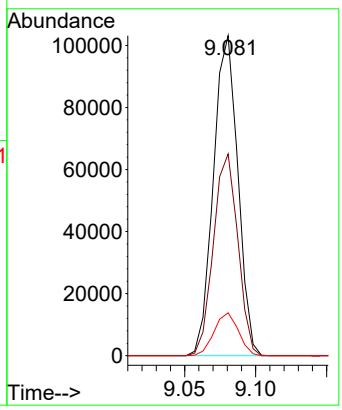


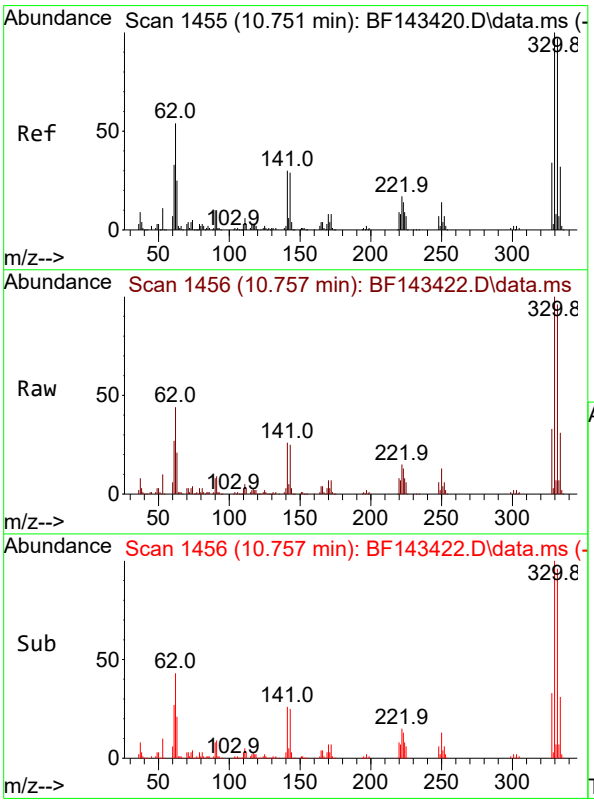
#41
Hexachlorocyclopentadiene
Concen: 58.008 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 123367

Ion	Ratio	Lower	Upper
237	100		
235	63.1	41.6	81.6
272	13.4	0.0	33.8

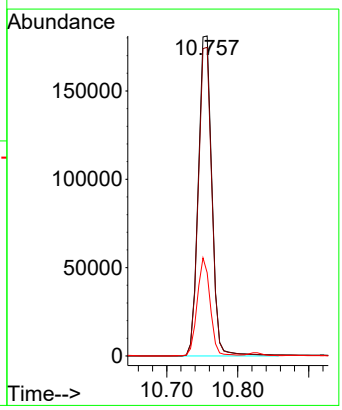


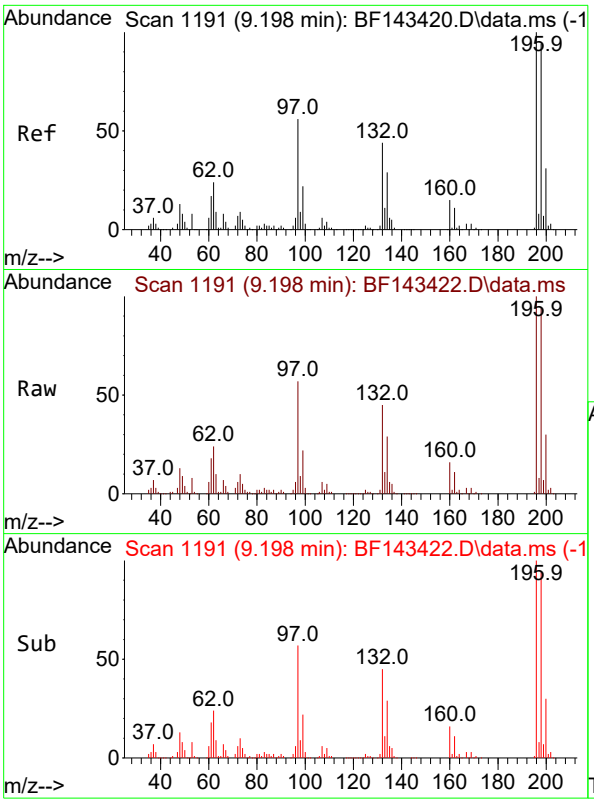


#42
2,4,6-Tribromophenol
Concen: 124.995 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:330 Resp: 240835

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.4	116.2
141	29.5	24.1	36.1



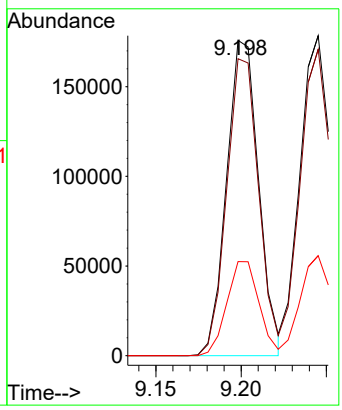


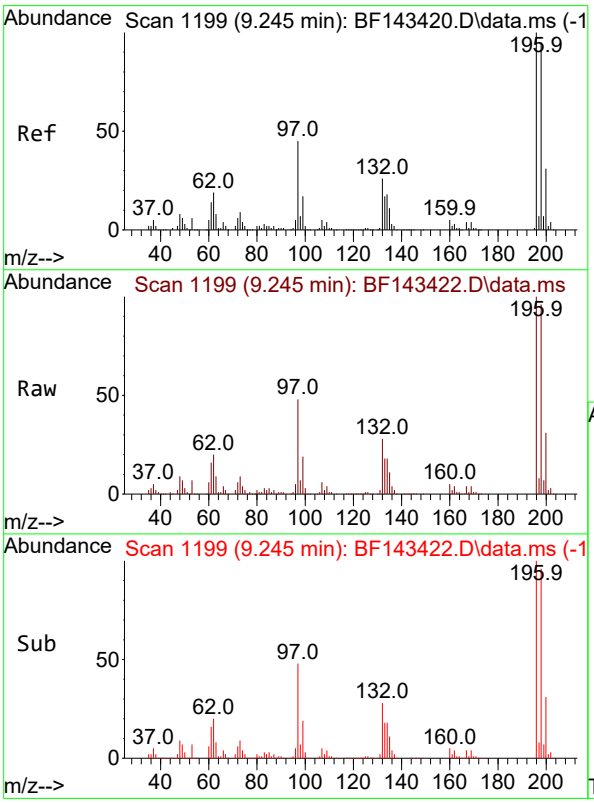
#43
2,4,6-Trichlorophenol
Concen: 61.072 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 229993

Ion	Ratio	Lower	Upper
196	100		
198	94.2	75.4	113.2
200	29.8	24.7	37.1

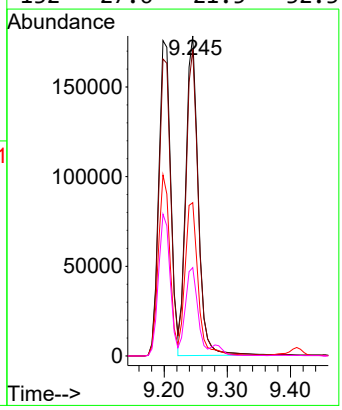


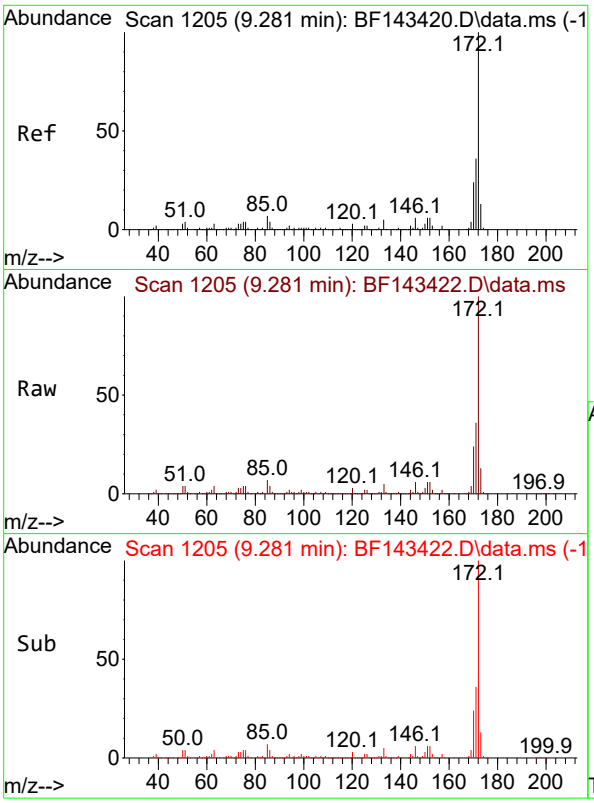


#44
2,4,5-Trichlorophenol
Concen: 60.587 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:196 Resp: 244578

Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.2	114.4
97	47.9	36.6	55.0
132	27.6	21.5	32.3



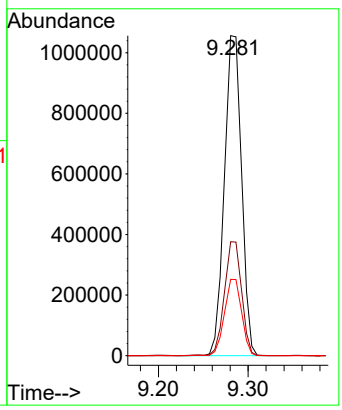


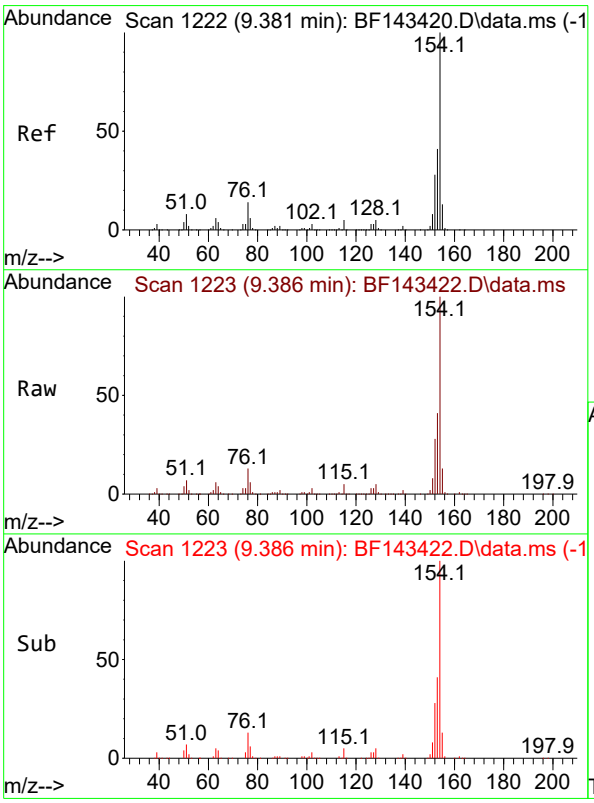
#45
2-Fluorobiphenyl
Concen: 109.206 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 1405470

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.7	43.1
170	23.9	19.0	28.6

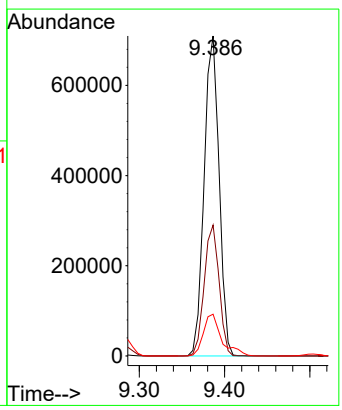


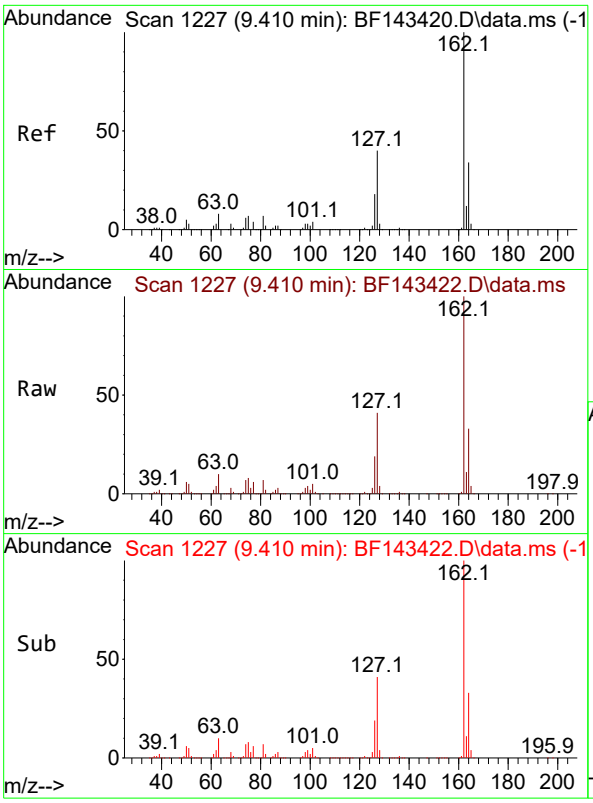


#46
1,1'-Biphenyl
Concen: 56.815 ng
RT: 9.386 min Scan# 1223
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:154 Resp: 864141

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.6	60.6
76	13.1	0.0	33.8



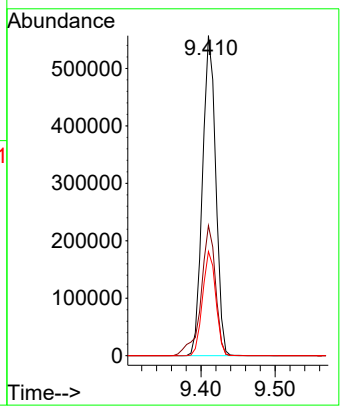


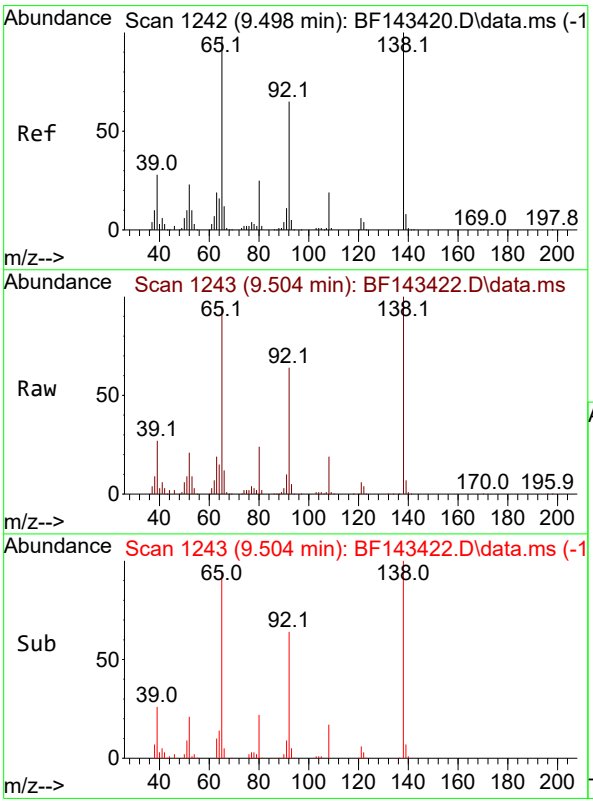
#47
2-Chloronaphthalene
Concen: 57.777 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 693668

Ion	Ratio	Lower	Upper
162	100		
127	40.7	32.3	48.5
164	32.6	26.9	40.3

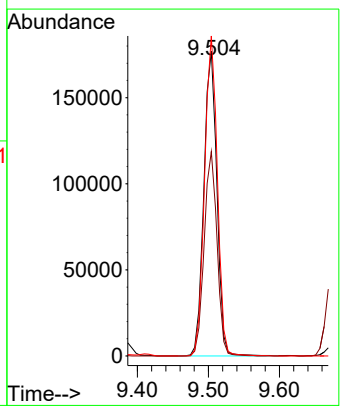


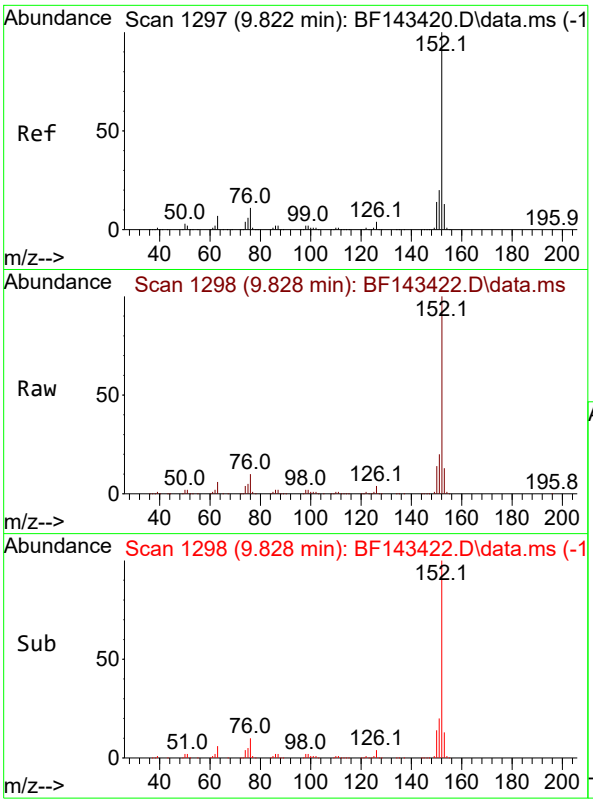


#48
2-Nitroaniline
Concen: 63.287 ng
RT: 9.504 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion: 65 Resp: 226112

Ion	Ratio	Lower	Upper
65	100		
92	67.1	52.9	79.3
138	105.1	81.3	121.9



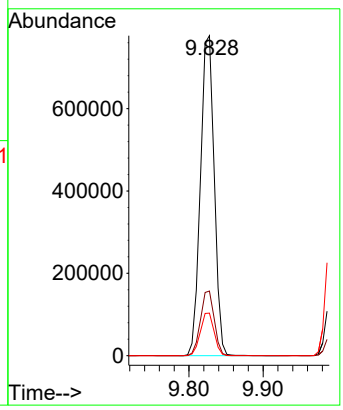


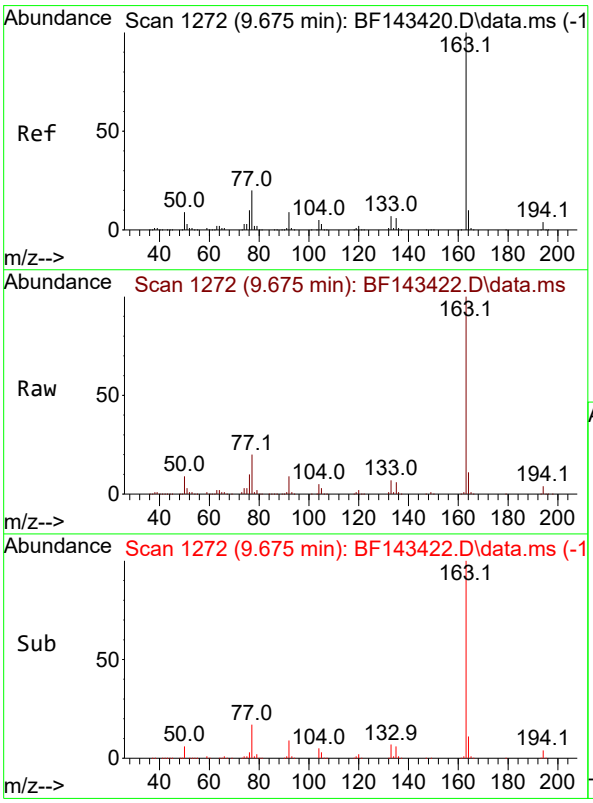
#49
Acenaphthylene
Concen: 58.256 ng
RT: 9.828 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 1009829

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.0	24.0
153	13.3	10.8	16.2

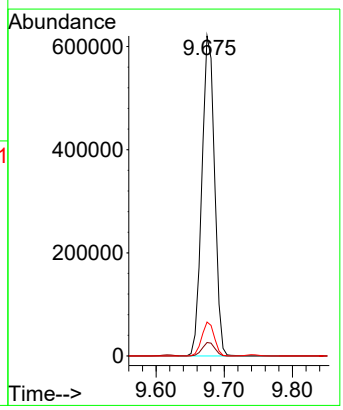


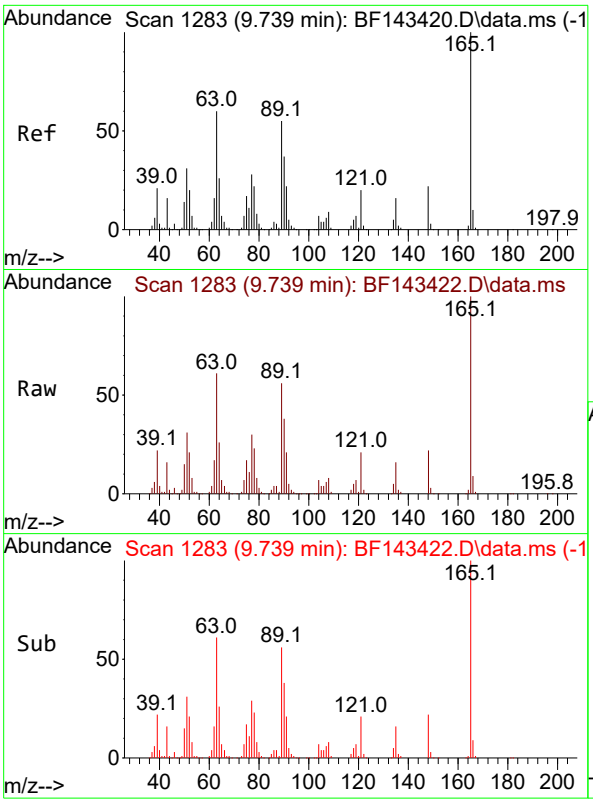


#50
Dimethylphthalate
Concen: 59.596 ng
RT: 9.675 min Scan# 1272
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:163 Resp: 804304

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.6	8.2	12.4



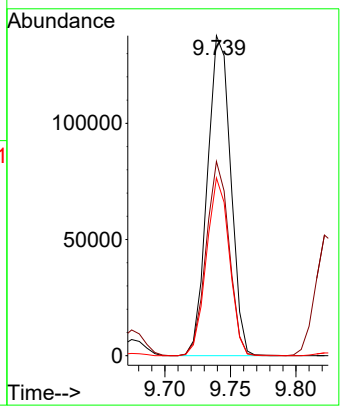


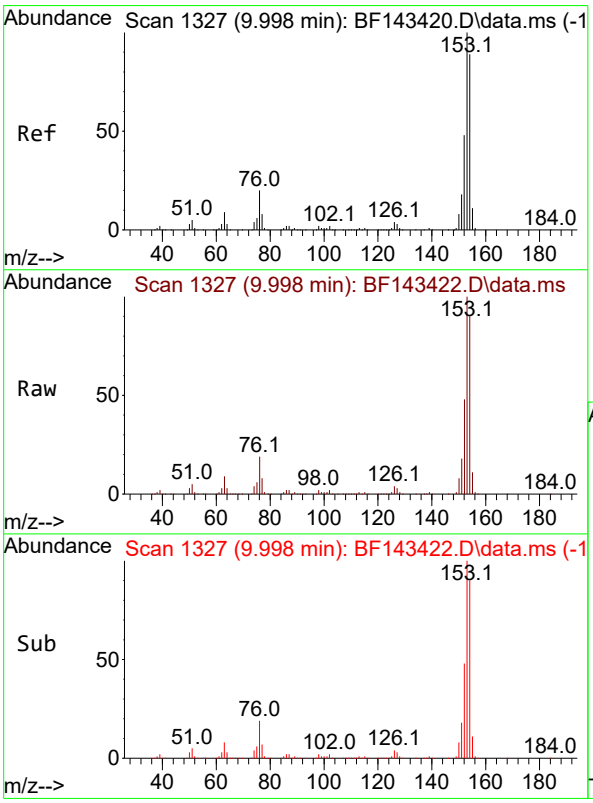
#51
2,6-Dinitrotoluene
Concen: 64.151 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 170673

Ion	Ratio	Lower	Upper
165	100		
63	60.7	48.2	72.2
89	55.5	44.2	66.2

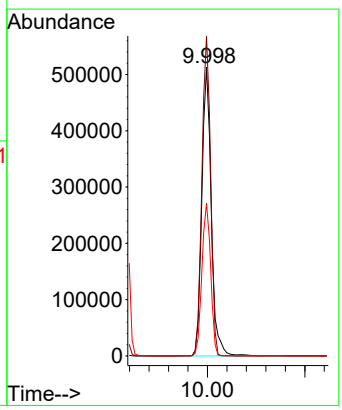


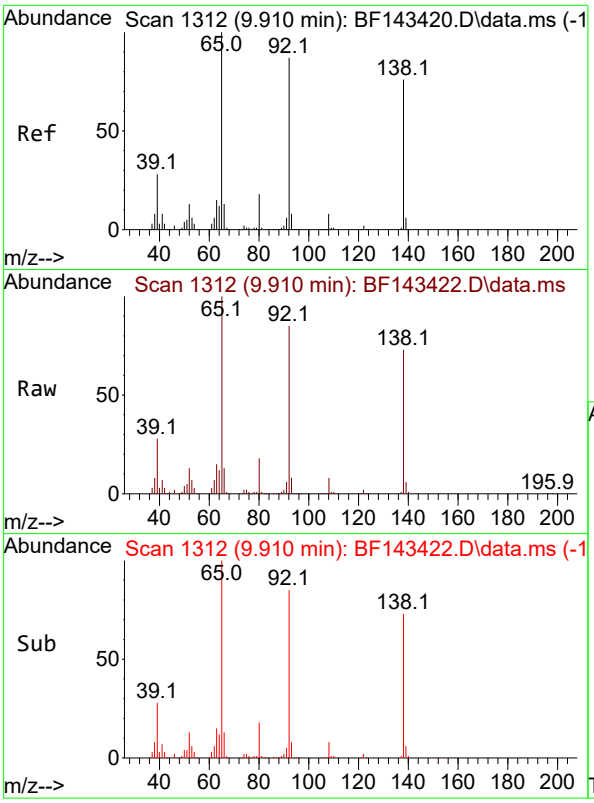


#52
Acenaphthene
Concen: 58.887 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:154 Resp: 686545

Ion	Ratio	Lower	Upper
154	100		
153	110.9	89.5	134.3
152	53.0	42.6	64.0



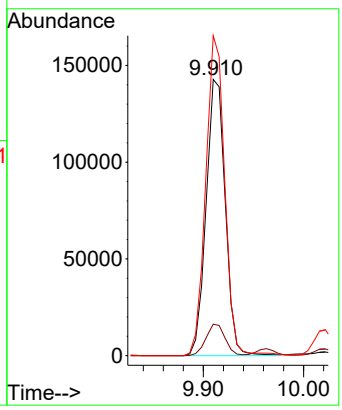


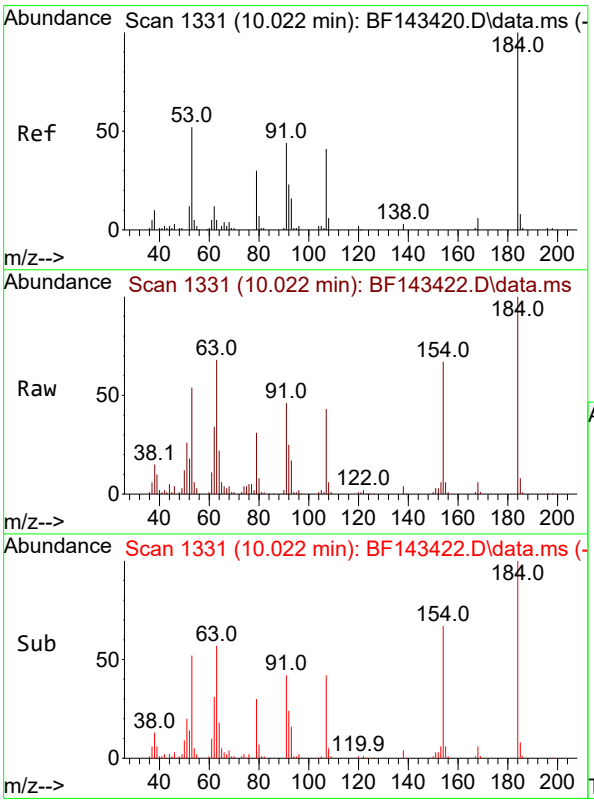
#53
3-Nitroaniline
Concen: 64.218 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 190315

Ion	Ratio	Lower	Upper
138	100		
108	11.4	8.7	13.1
92	115.8	91.4	137.2

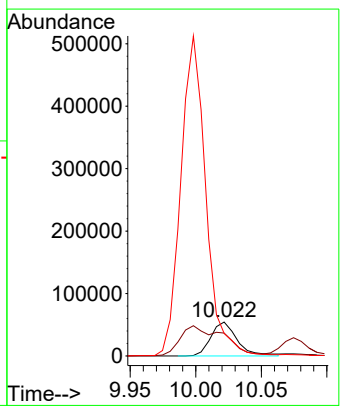


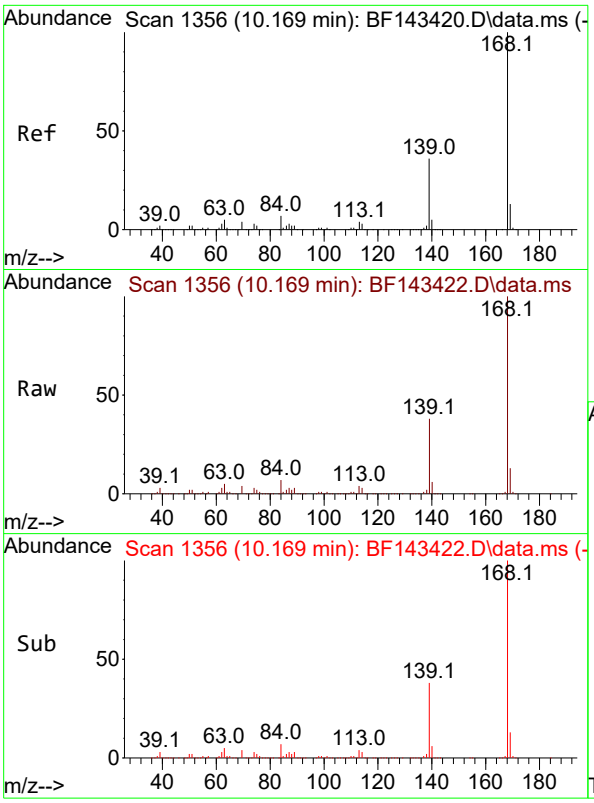


#54
2,4-Dinitrophenol
Concen: 62.767 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:184 Resp: 75977

Ion	Ratio	Lower	Upper
184	100		
63	67.5	53.2	79.8
154	66.5	51.3	76.9



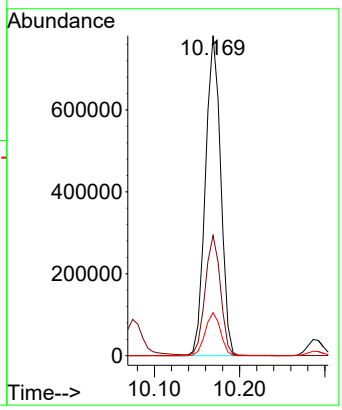


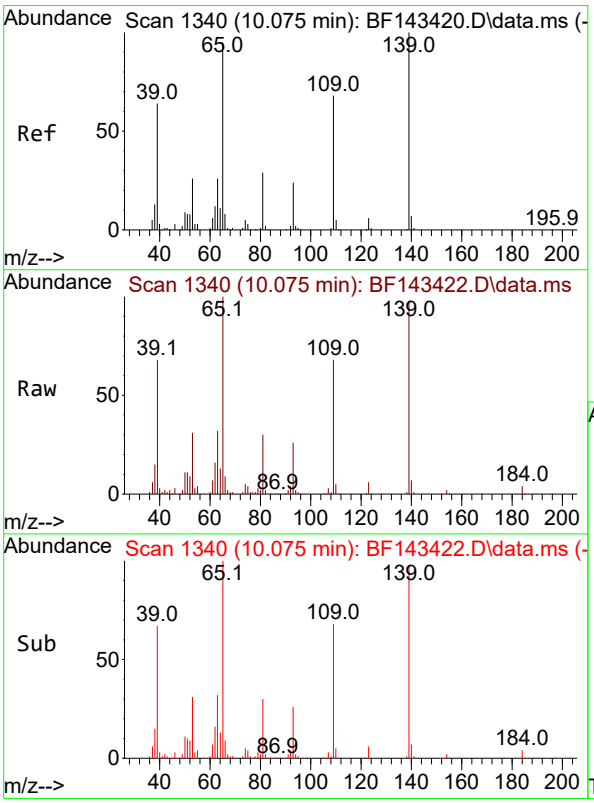
#55
Dibenzofuran
Concen: 57.822 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 972484

Ion	Ratio	Lower	Upper
168	100		
139	37.6	29.3	43.9
169	13.5	10.8	16.2

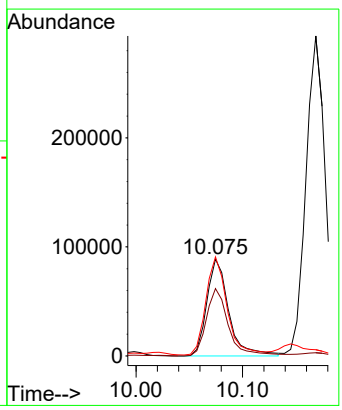


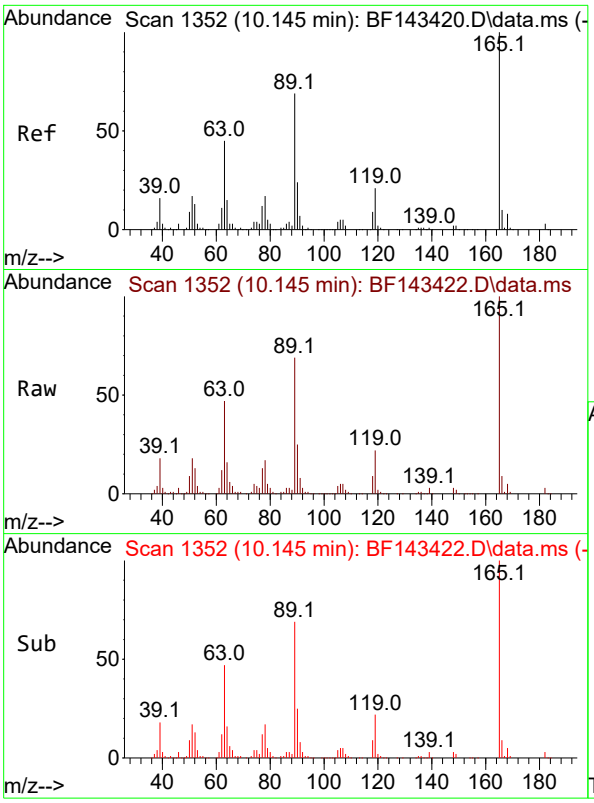


#56
4-Nitrophenol
Concen: 68.171 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:139 Resp: 127015

Ion	Ratio	Lower	Upper
139	100		
109	69.6	47.7	87.7
65	102.3	76.4	116.4



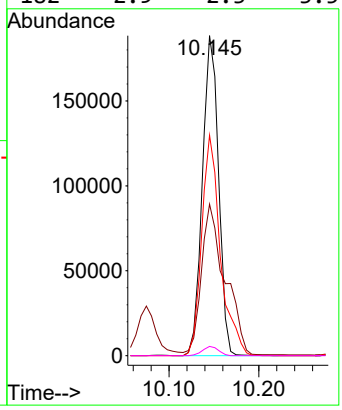


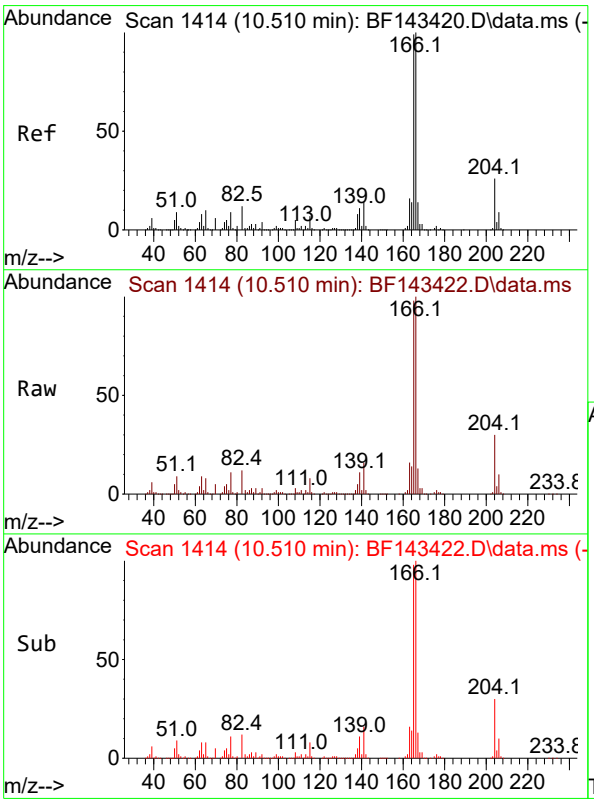
#57
2,4-Dinitrotoluene
Concen: 66.446 ng
RT: 10.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 235687

Ion	Ratio	Lower	Upper
165	100		
63	47.3	37.0	55.6
89	68.9	55.4	83.0
182	2.9	2.3	3.5

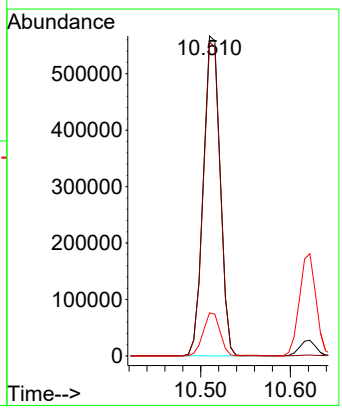


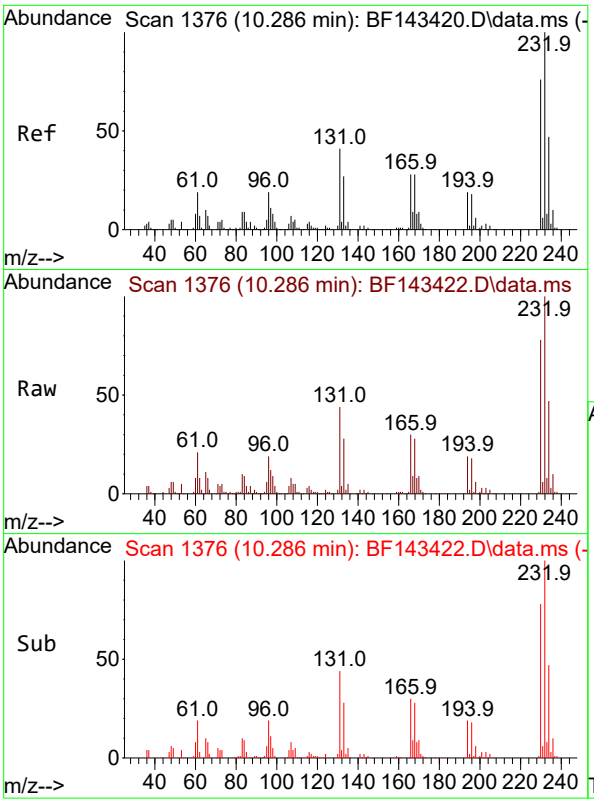


#58
Fluorene
Concen: 57.102 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:166 Resp: 737784

Ion	Ratio	Lower	Upper
166	100		
165	98.0	79.0	118.6
167	13.5	10.9	16.3



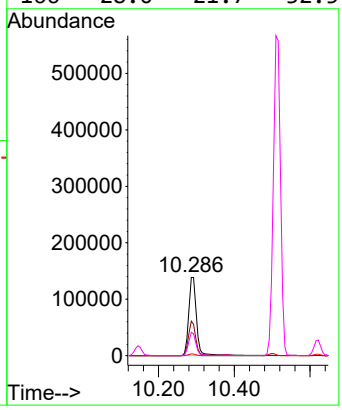


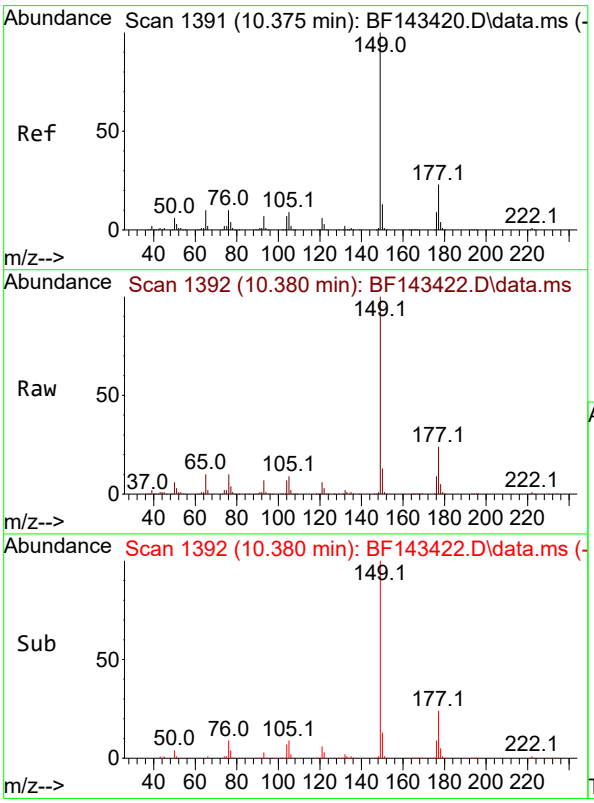
#59
2,3,4,6-Tetrachlorophenol
Concen: 65.147 ng
RT: 10.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 199075

Ion	Ratio	Lower	Upper
232	100		
131	41.0	32.0	48.0
130	2.0	1.7	2.5
166	28.0	21.7	32.5

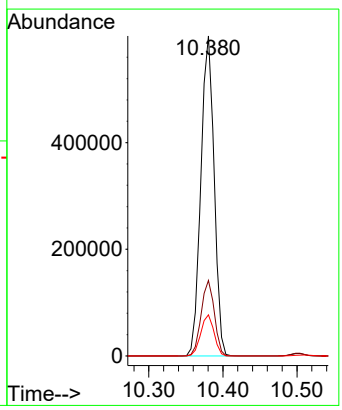


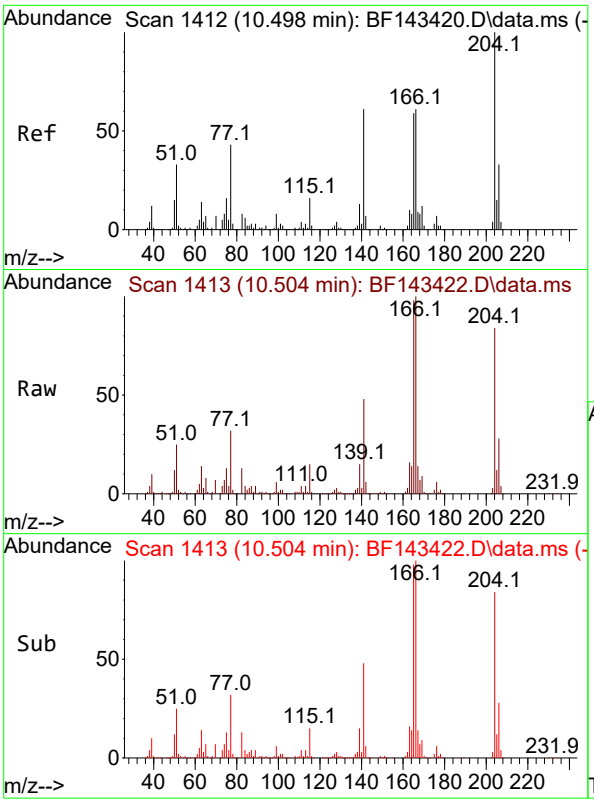


#60
Diethylphthalate
Concen: 59.893 ng
RT: 10.380 min Scan# 1392
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:149 Resp: 746953

Ion	Ratio	Lower	Upper
149	100		
177	23.6	18.2	27.4
150	12.8	10.1	15.1



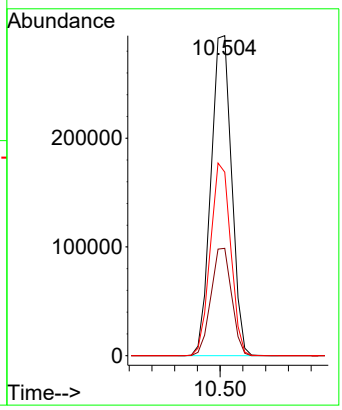


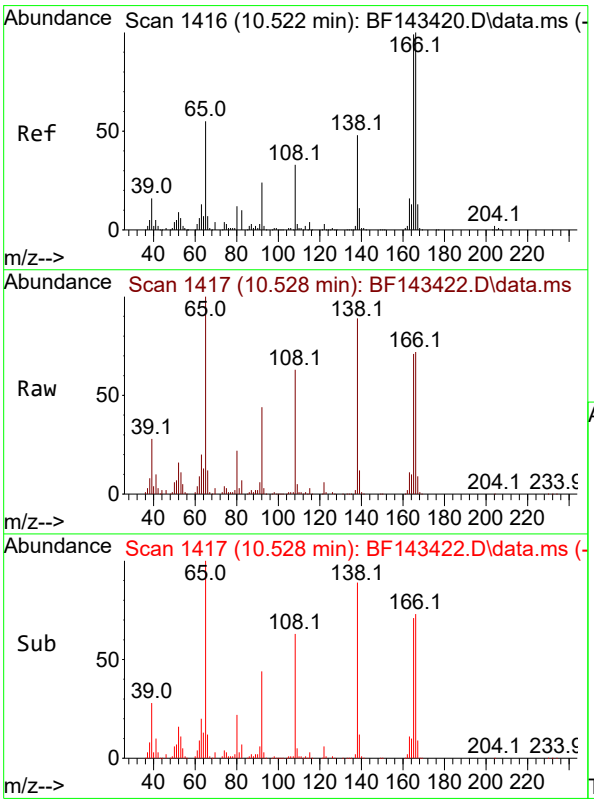
#61
4-Chlorophenyl-phenylether
Concen: 58.290 ng
RT: 10.504 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 372354

Ion	Ratio	Lower	Upper
204	100		
206	33.6	26.5	39.7
141	57.4	49.0	73.4

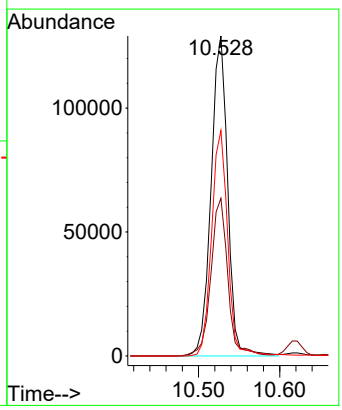


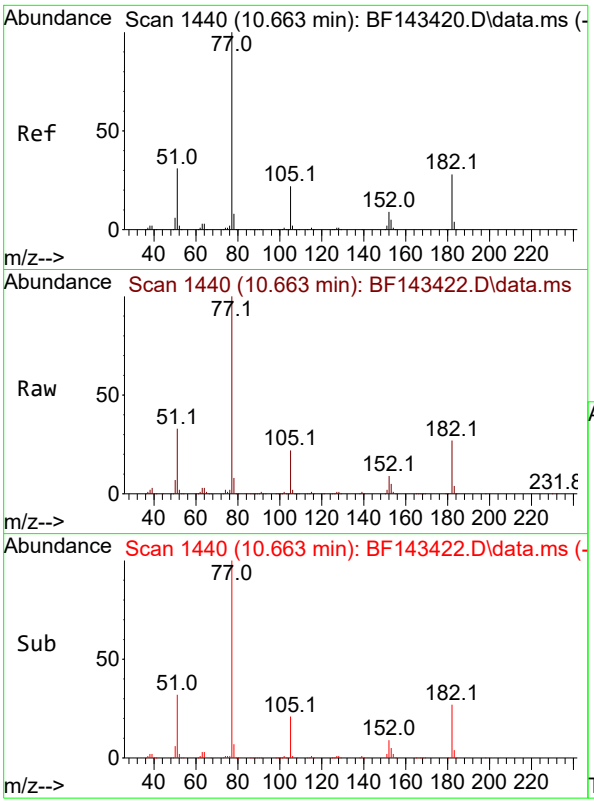


#62
4-Nitroaniline
Concen: 66.220 ng
RT: 10.528 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:138 Resp: 183532

Ion	Ratio	Lower	Upper
138	100		
92	49.3	29.4	69.4
108	70.5	48.6	88.6



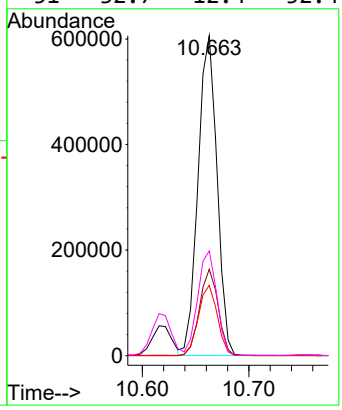


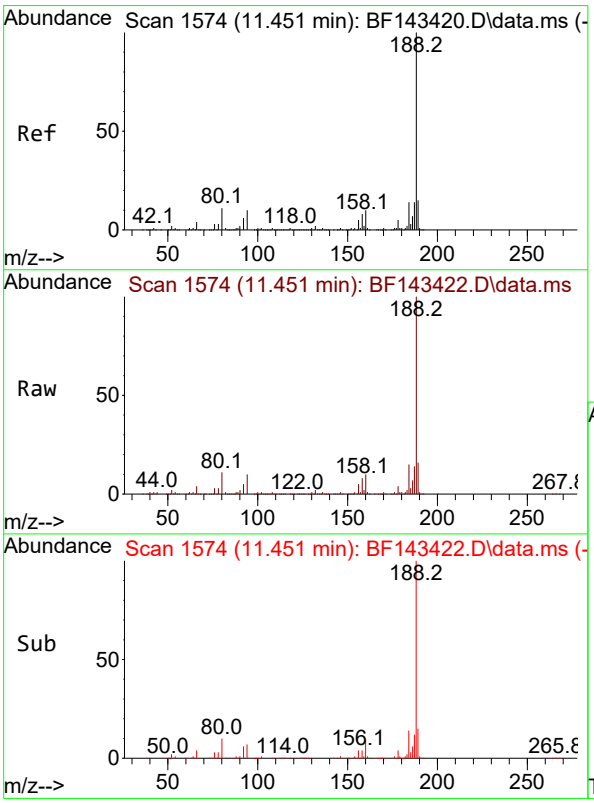
#63
Azobenzene
Concen: 59.640 ng
RT: 10.663 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 751747

Ion	Ratio	Lower	Upper
77	100		
182	27.0	7.4	47.4
105	22.0	1.7	41.7
51	32.7	12.4	52.4

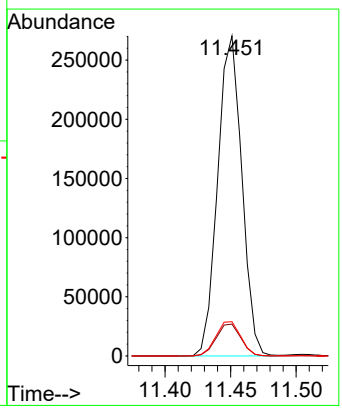


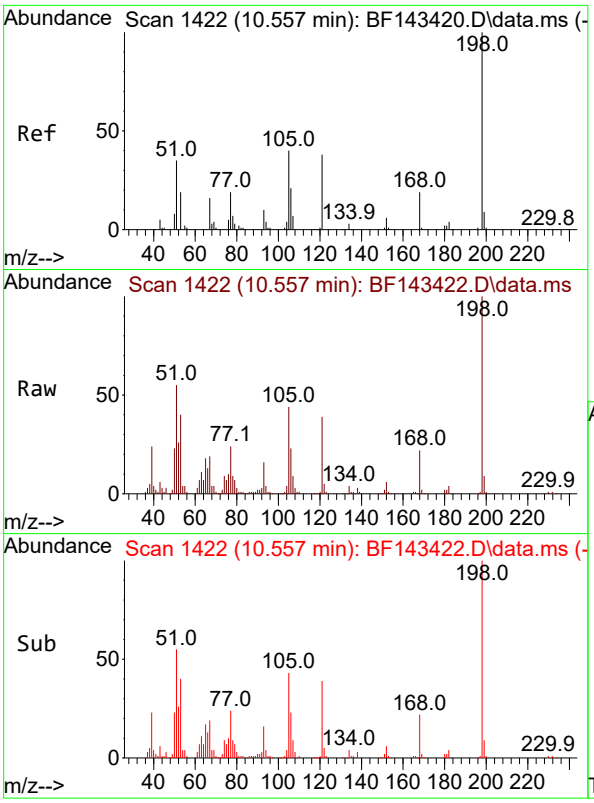


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:188 Resp: 345949

Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.0	12.0
80	10.7	8.6	12.8



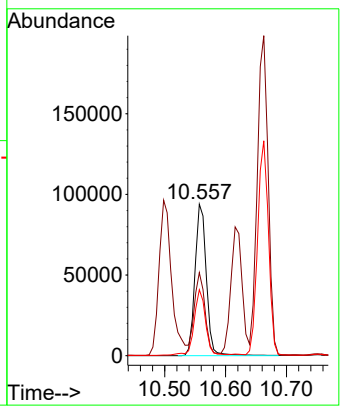


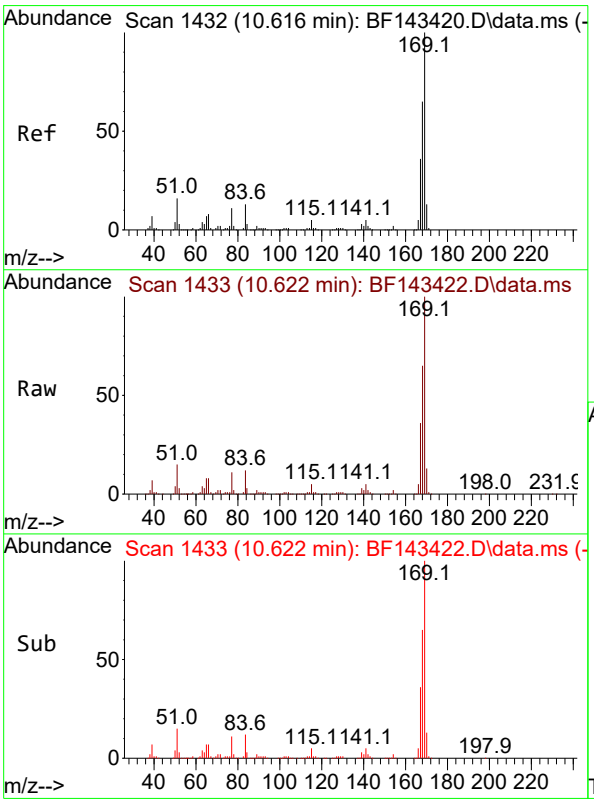
#65
4,6-Dinitro-2-methylphenol
Concen: 68.289 ng
RT: 10.557 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 121894

Ion	Ratio	Lower	Upper
198	100		
51	54.9	31.2	71.2
105	43.5	21.7	61.7

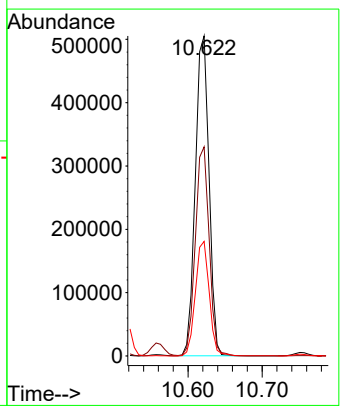


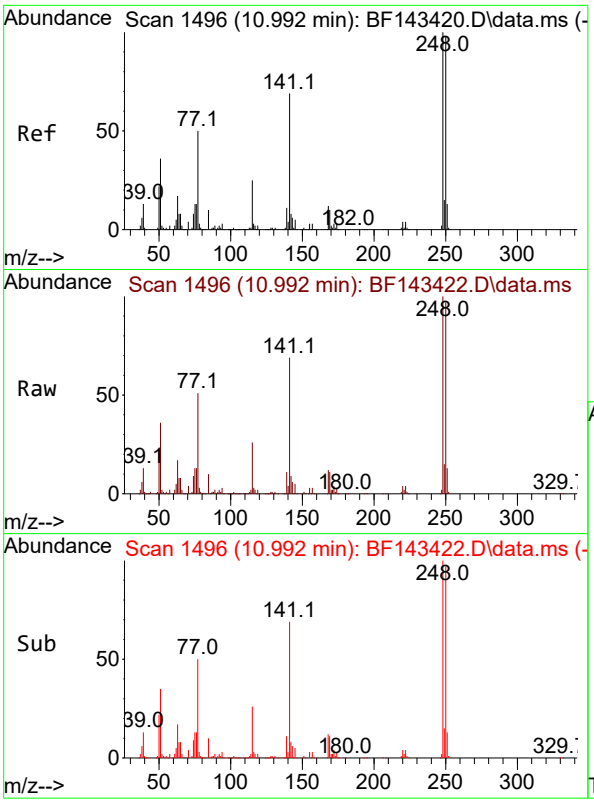


#66
n-Nitrosodiphenylamine
Concen: 57.518 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:169 Resp: 646995

Ion	Ratio	Lower	Upper
169	100		
168	65.4	52.5	78.7
167	35.8	28.6	42.8



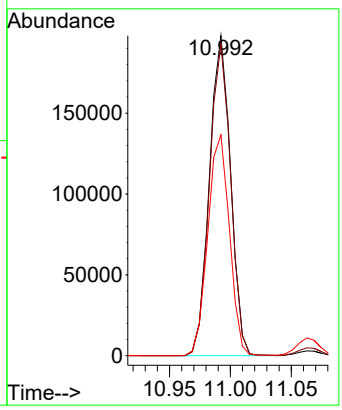


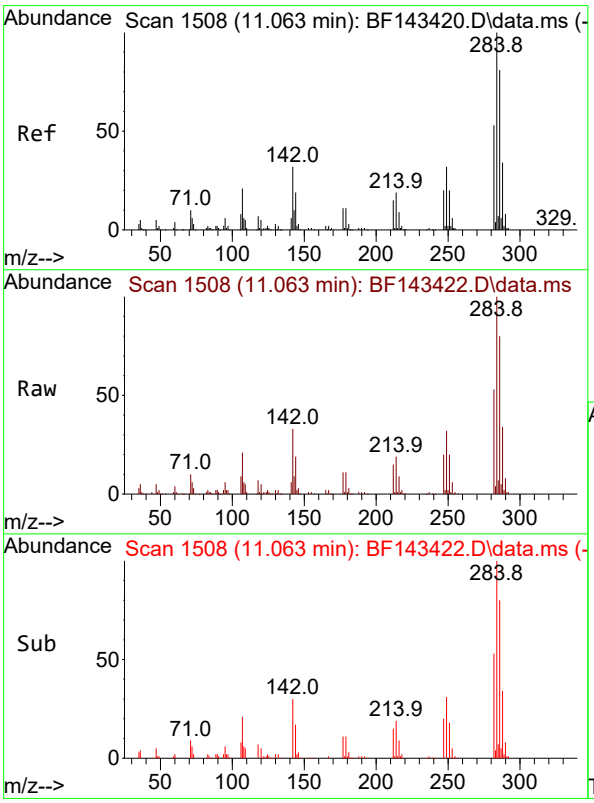
#67
4-Bromophenyl-phenylether
Concen: 58.650 ng
RT: 10.992 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 239597

Ion	Ratio	Lower	Upper
248	100		
250	97.3	78.6	118.0
141	69.0	54.9	82.3

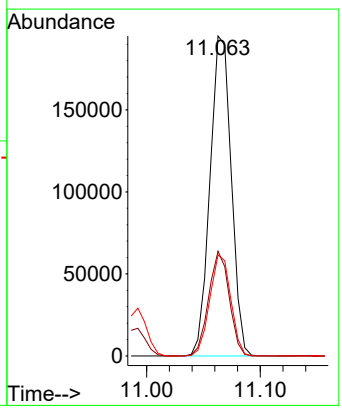


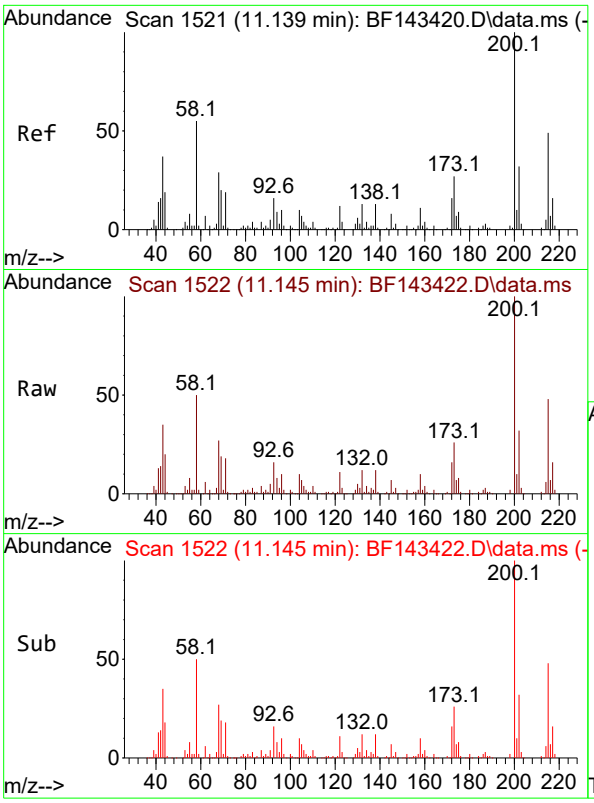


#68
Hexachlorobenzene
Concen: 58.367 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:284 Resp: 253488

Ion	Ratio	Lower	Upper
284	100		
142	32.7	25.4	38.2
249	31.6	25.4	38.0



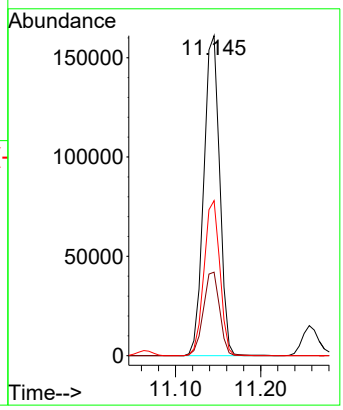


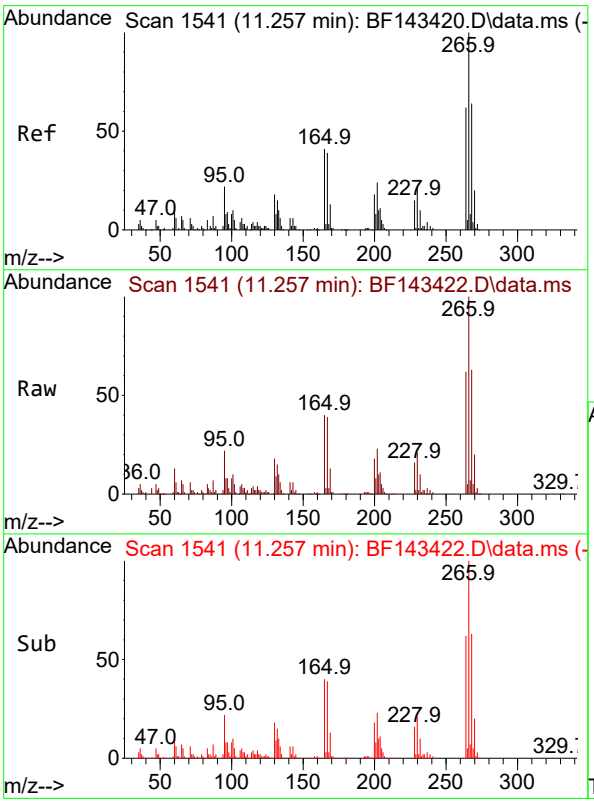
#69
Atrazine
Concen: 63.468 ng
RT: 11.145 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 208818

Ion	Ratio	Lower	Upper
200	100		
173	26.1	6.6	46.6
215	48.5	29.5	69.5

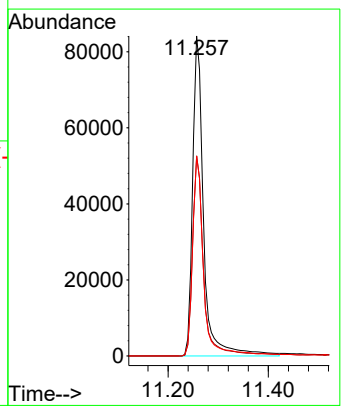


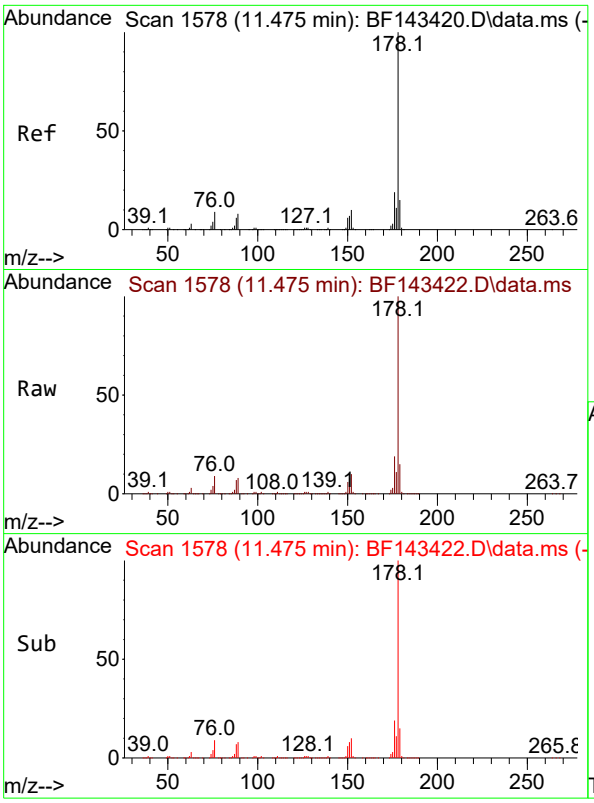


#70
Pentachlorophenol
Concen: 66.328 ng
RT: 11.257 min Scan# 1541
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:266 Resp: 127891

Ion	Ratio	Lower	Upper
266	100		
268	62.6	51.0	76.6
264	62.4	49.3	73.9



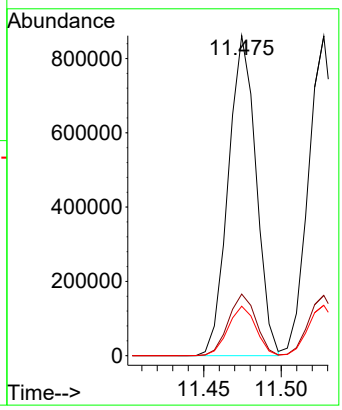


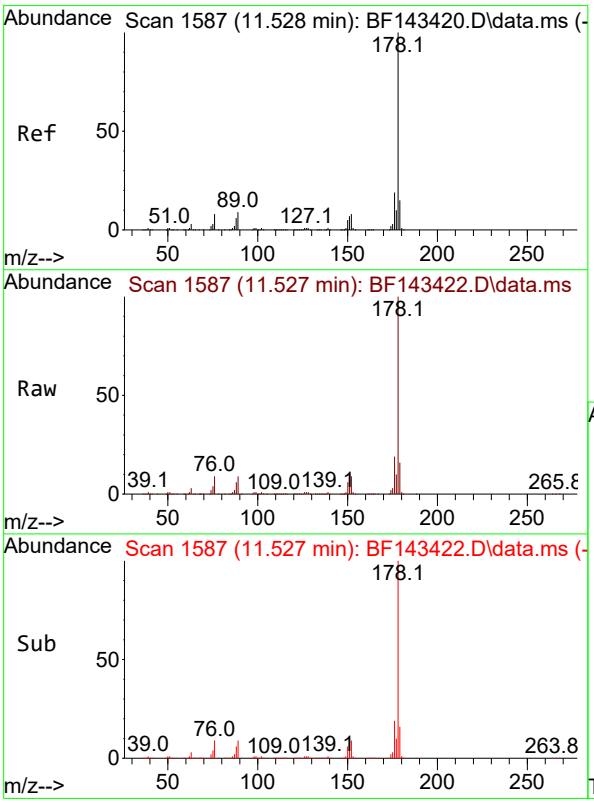
#71
Phenanthrene
Concen: 57.303 ng
RT: 11.475 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 1073495

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.5	12.3	18.5

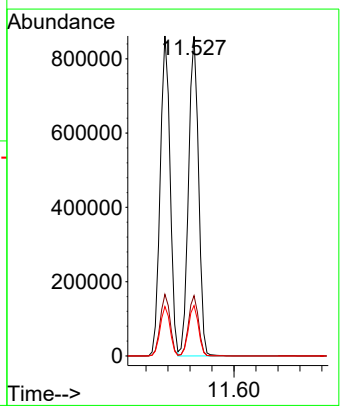


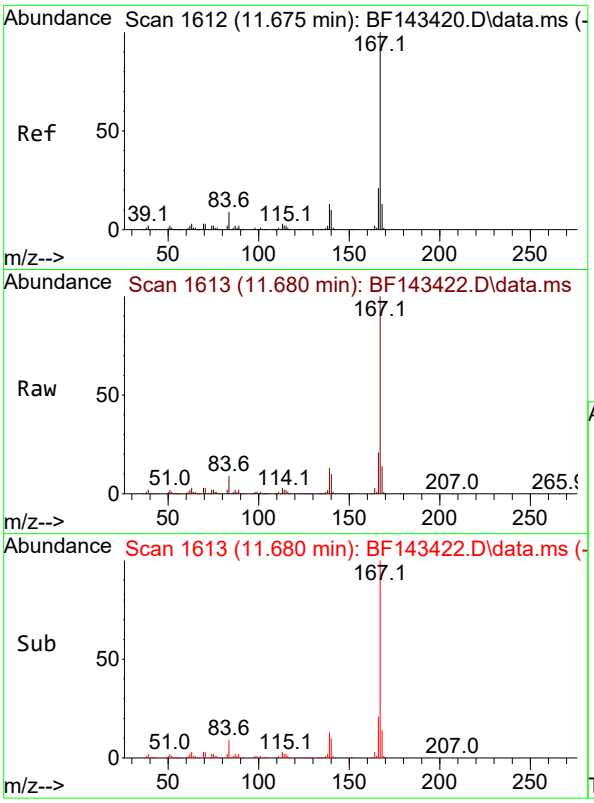


#72
Anthracene
Concen: 57.323 ng
RT: 11.527 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:178 Resp: 1084628

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.8	22.2
179	15.8	12.2	18.4



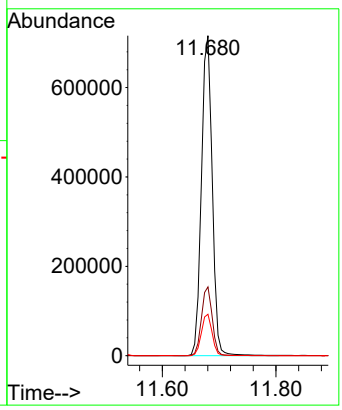


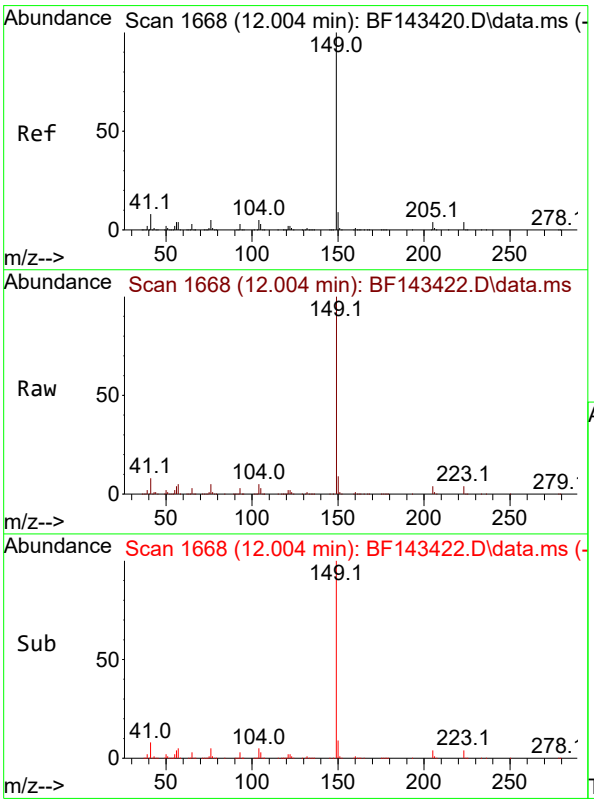
#73
Carbazole
Concen: 59.003 ng
RT: 11.680 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 944227

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.2	25.8
139	13.0	10.1	15.1

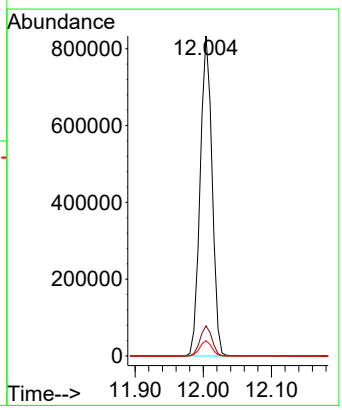


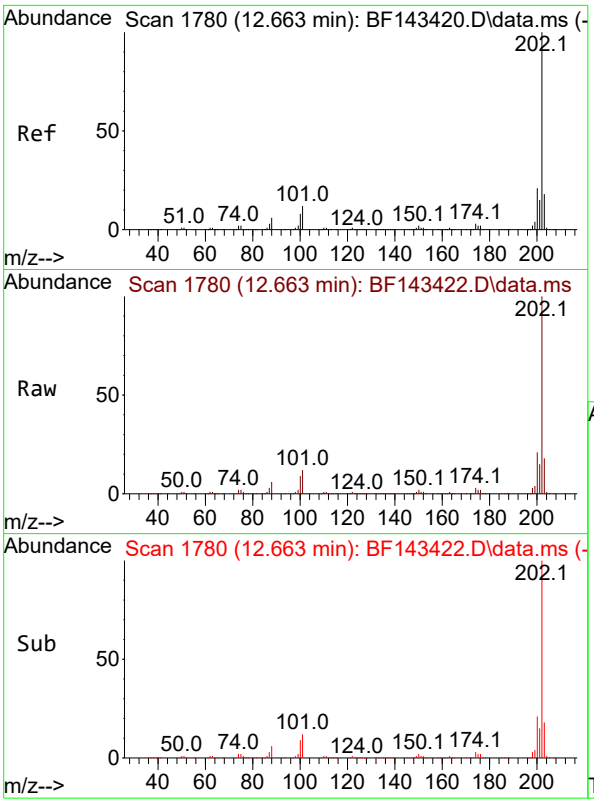


#74
Di-n-butylphthalate
Concen: 63.470 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:149 Resp: 1011466

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.3	10.9
104	4.8	3.8	5.6



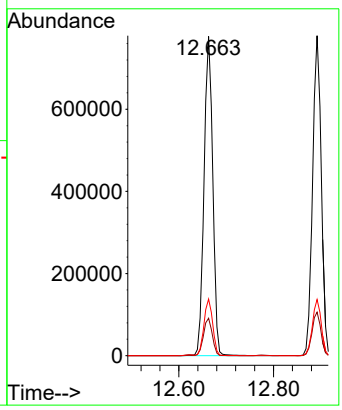


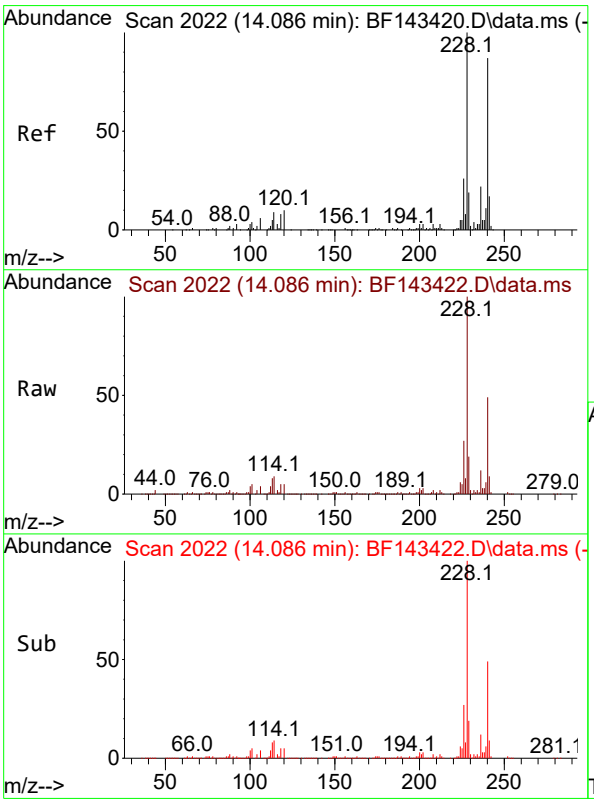
#75
Fluoranthene
Concen: 59.543 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 991147

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.5
203	17.7	0.0	37.5

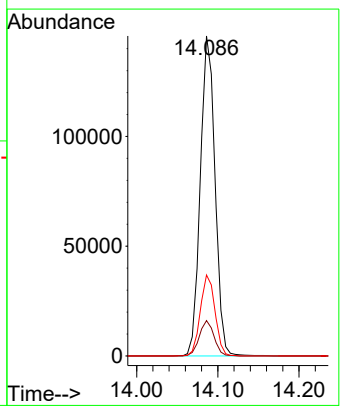


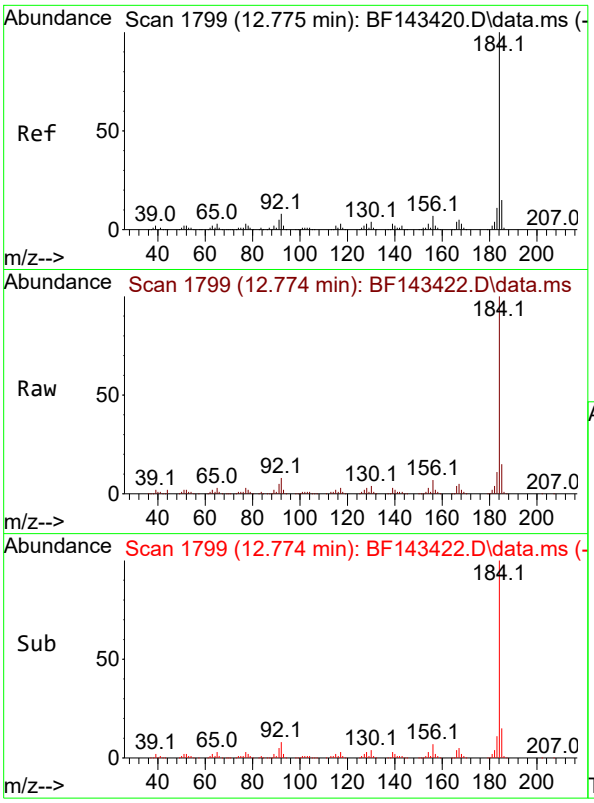


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:240 Resp: 183739

Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.0	13.4
236	25.3	20.2	30.2



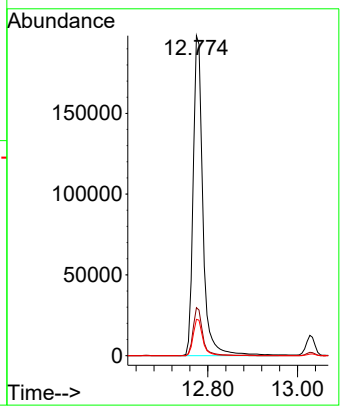


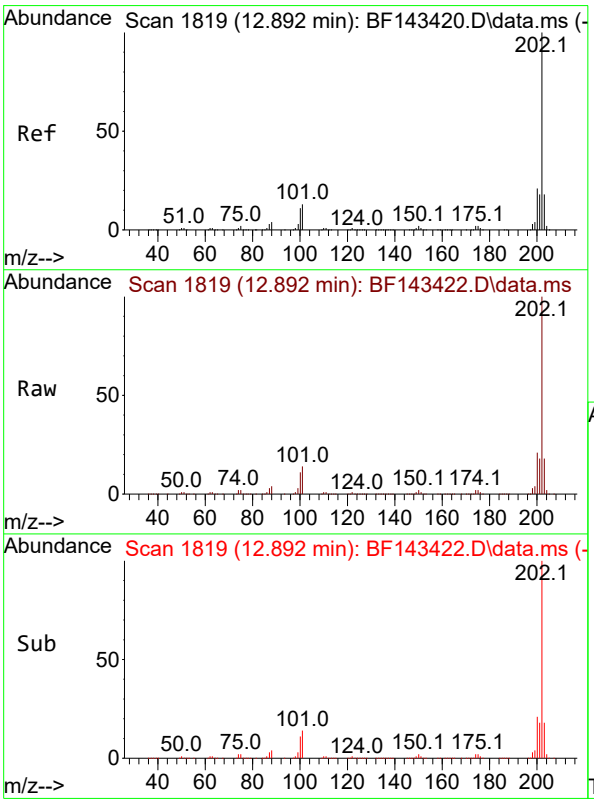
#77
Benzidine
Concen: 57.369 ng
RT: 12.774 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 298398

Ion	Ratio	Lower	Upper
184	100		
185	15.0	12.2	18.2
183	11.4	9.2	13.8

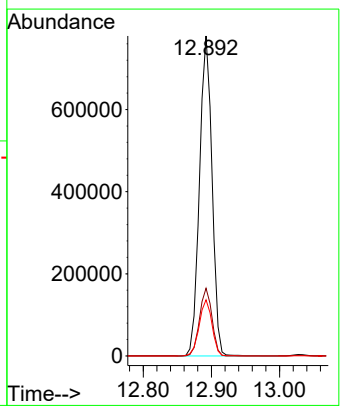


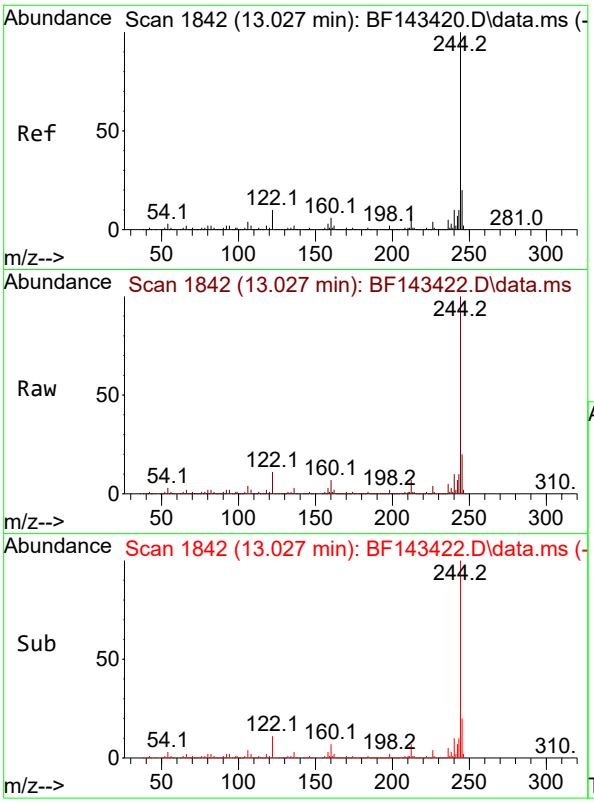


#78
Pyrene
Concen: 62.306 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:202 Resp: 995037

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.1	25.7
203	17.5	14.2	21.2



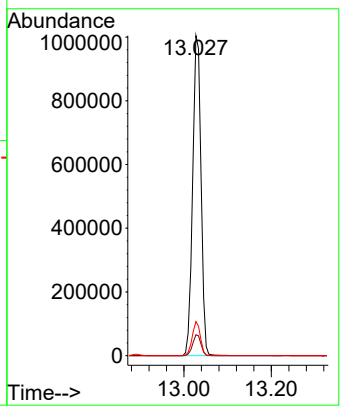


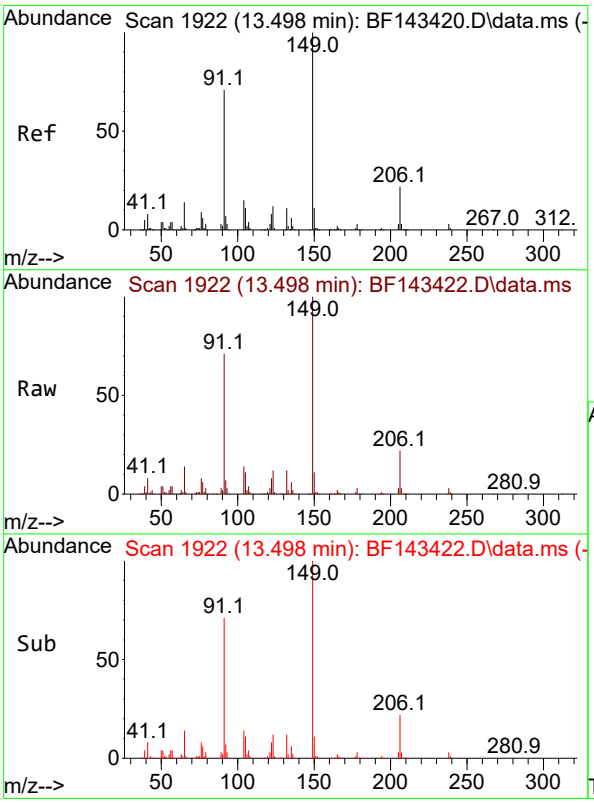
#79
Terphenyl-d14
Concen: 122.168 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 1336250

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	10.6	8.3	12.5

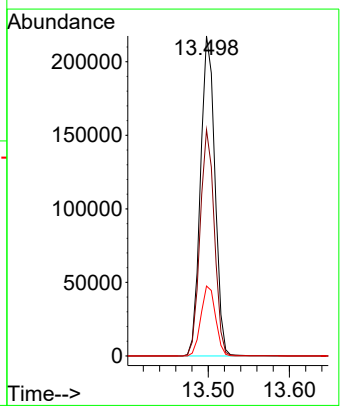


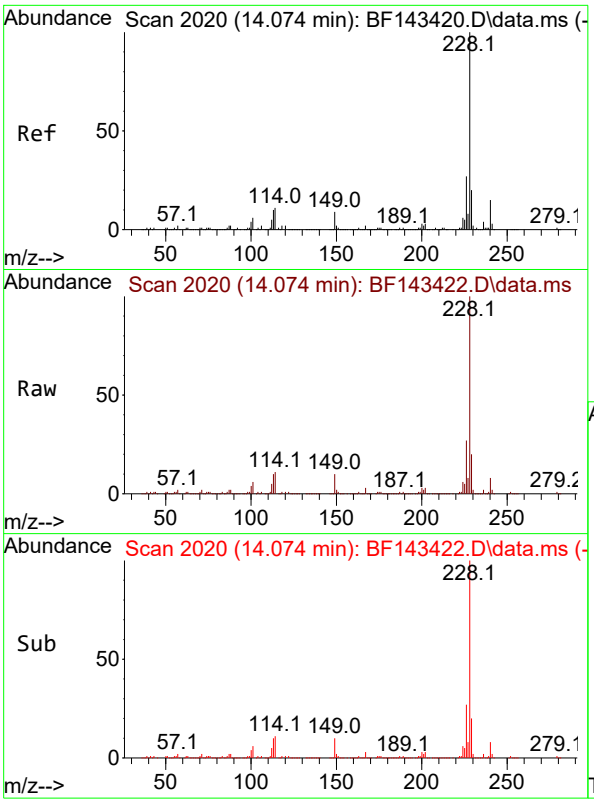


#80
Butylbenzylphthalate
Concen: 67.834 ng
RT: 13.498 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:149 Resp: 268326

Ion	Ratio	Lower	Upper
149	100		
91	70.7	57.0	85.4
206	21.9	17.6	26.4



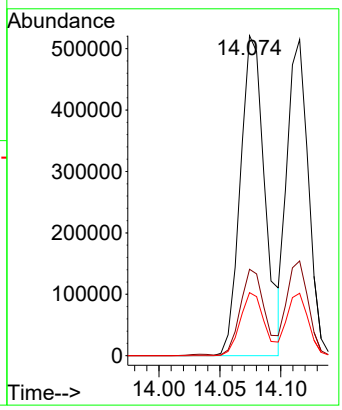


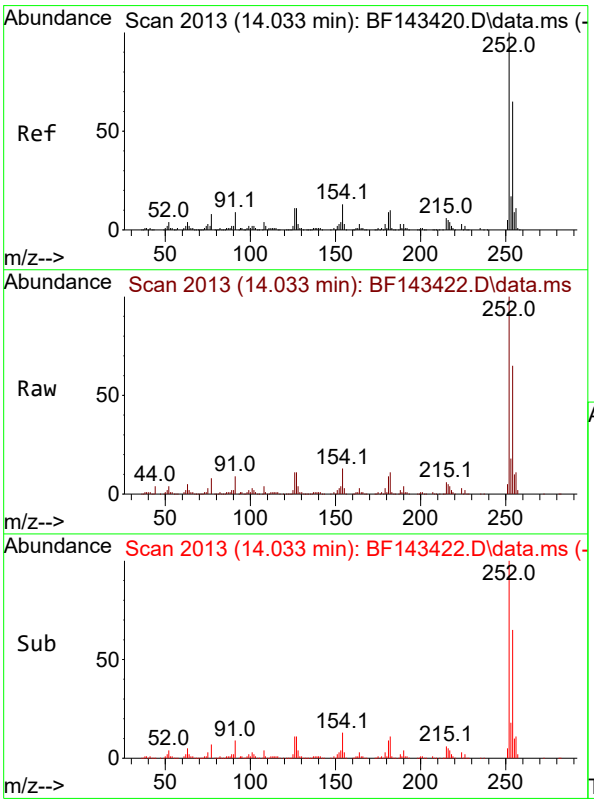
#81
Benzo(a)anthracene
Concen: 62.671 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 733117

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.5	32.3
229	19.7	15.7	23.5

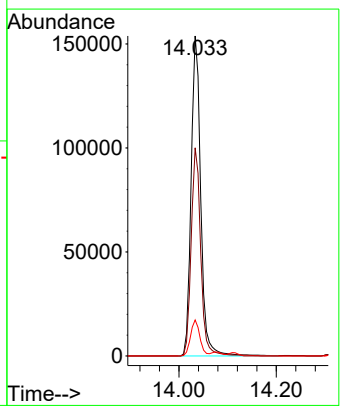


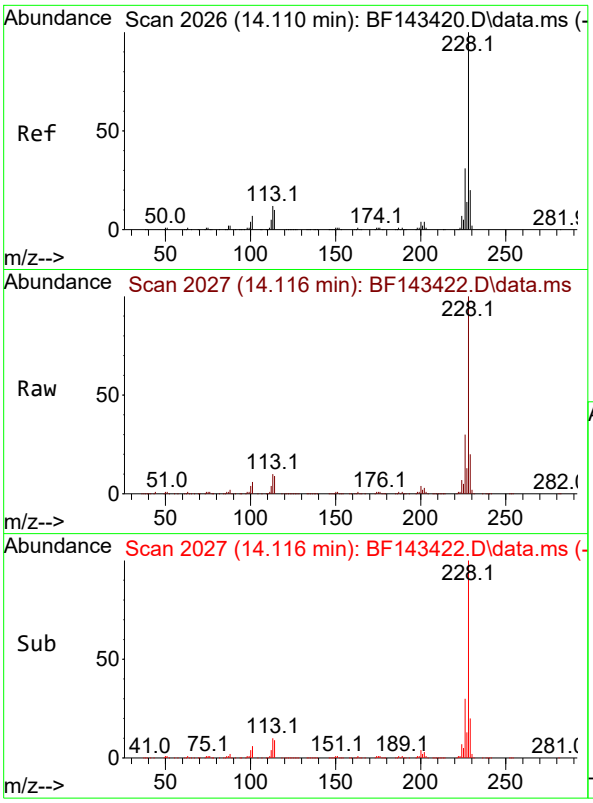


#82
3,3'-Dichlorobenzidine
Concen: 62.021 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:252 Resp: 212422

Ion	Ratio	Lower	Upper
252	100		
254	65.1	51.6	77.4
126	11.2	8.8	13.2



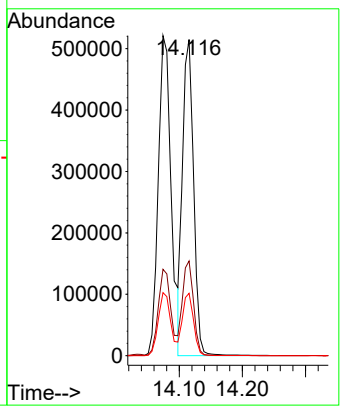


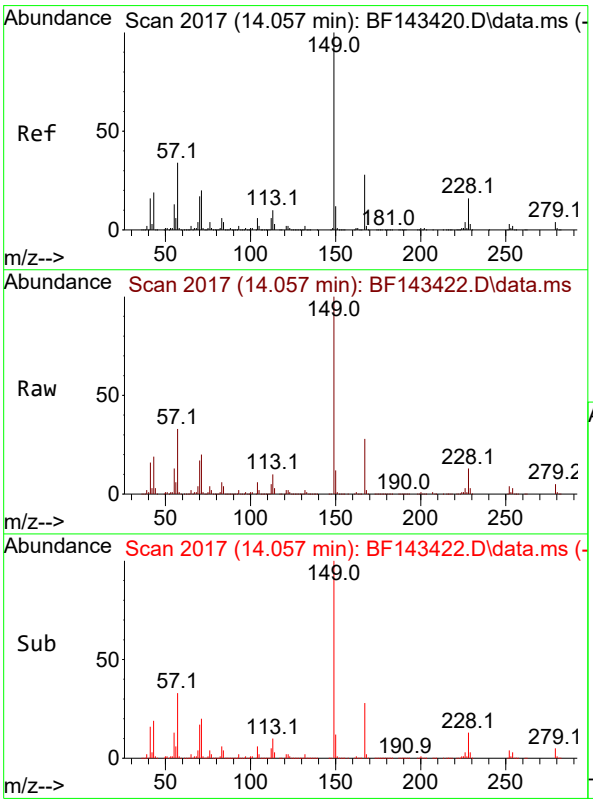
#83
Chrysene
Concen: 57.984 ng
RT: 14.116 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 627062

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.3	36.5
229	19.7	16.1	24.1

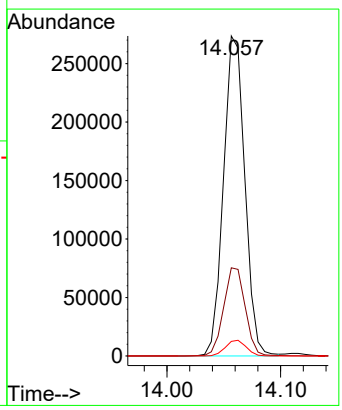


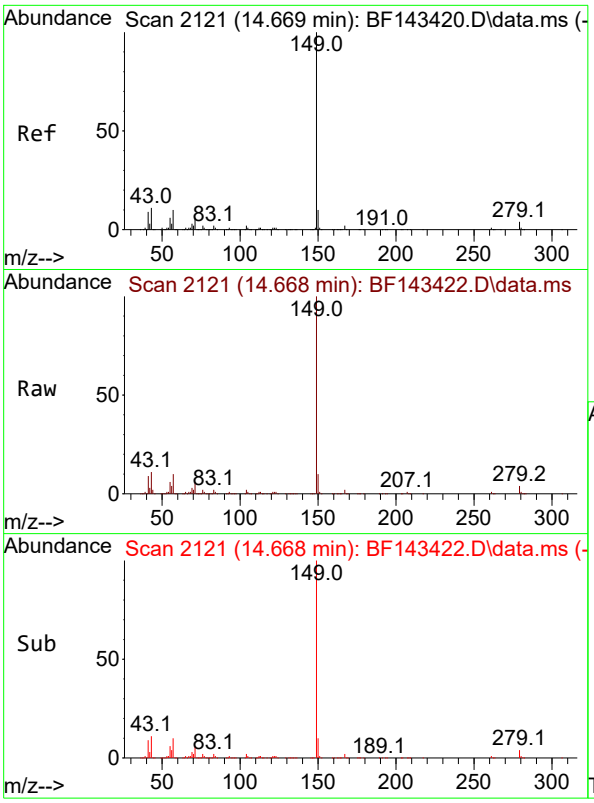


#84
Bis(2-ethylhexyl)phthalate
Concen: 63.663 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:149 Resp: 357629

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.6	33.8
279	4.5	3.5	5.3



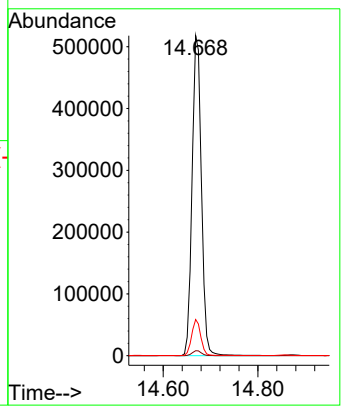


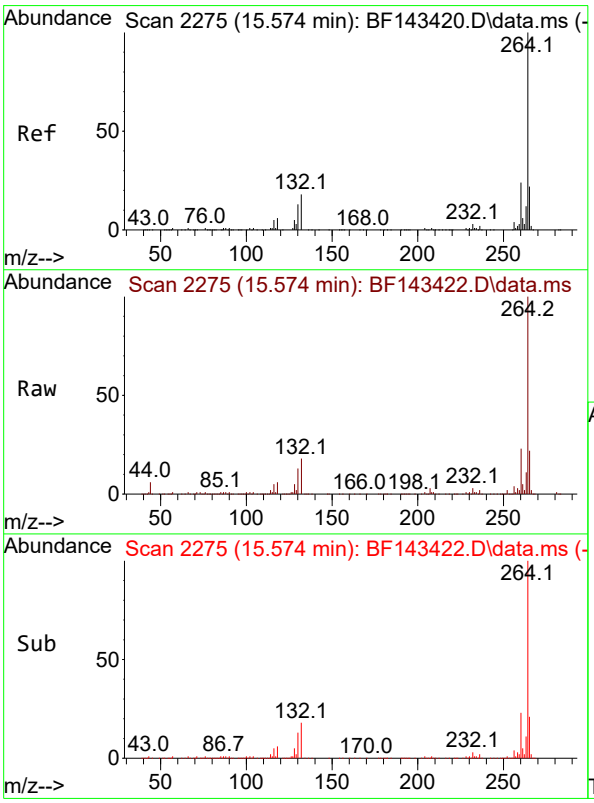
#85
Di-n-octyl phthalate
Concen: 62.221 ng
RT: 14.668 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 708936

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.0	9.0	13.6

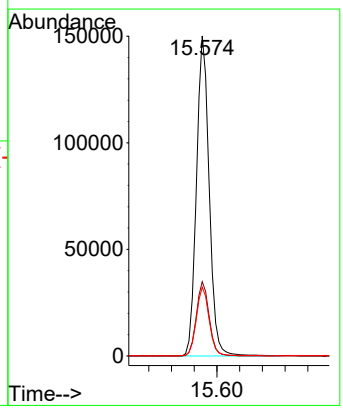


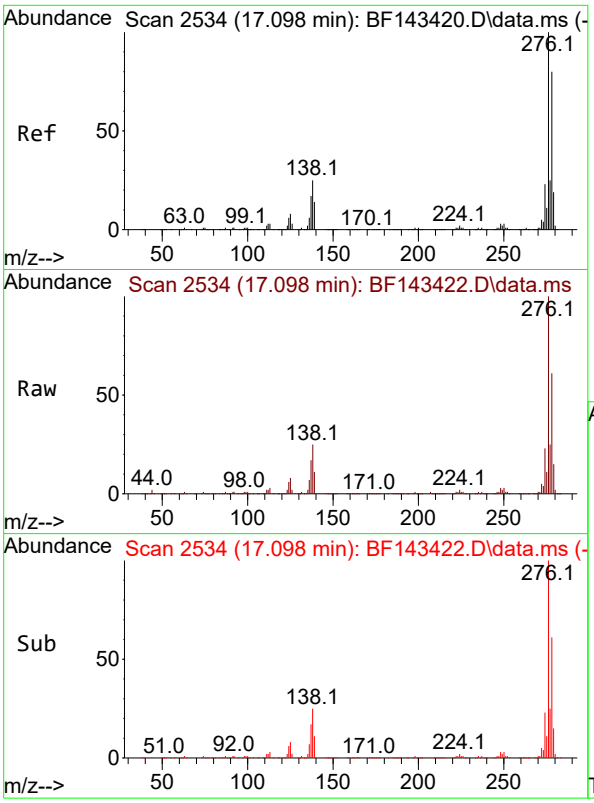


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:264 Resp: 234521

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.8	28.2
265	21.5	17.4	26.0



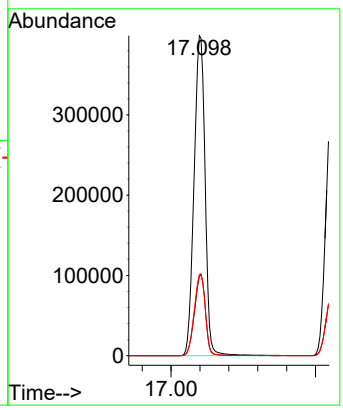


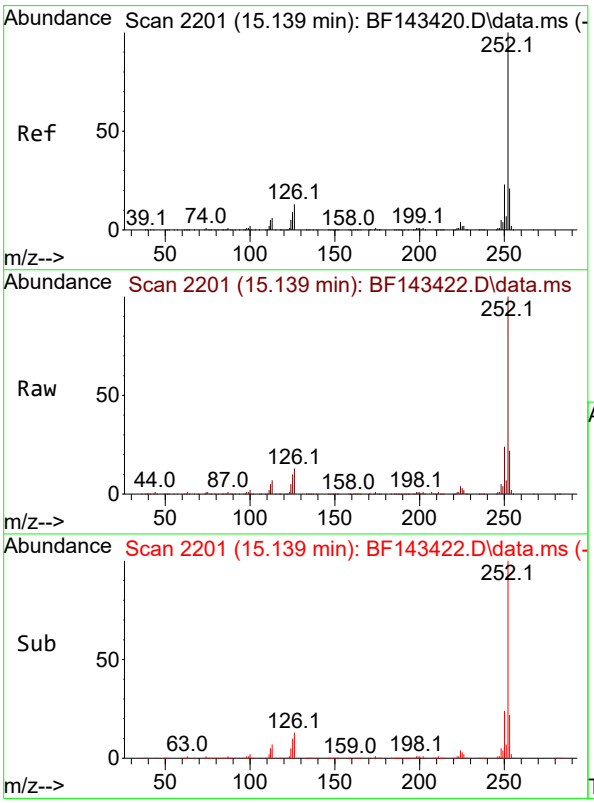
#87
Indeno(1,2,3-cd)pyrene
Concen: 60.138 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 1057633

Ion	Ratio	Lower	Upper
276	100		
138	25.0	20.2	30.4
277	25.5	20.2	30.2

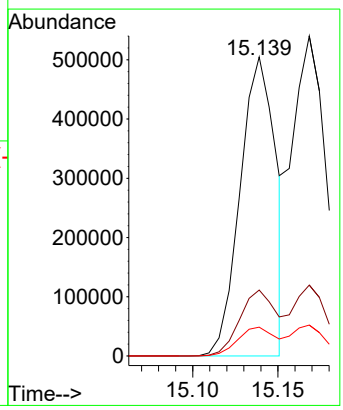


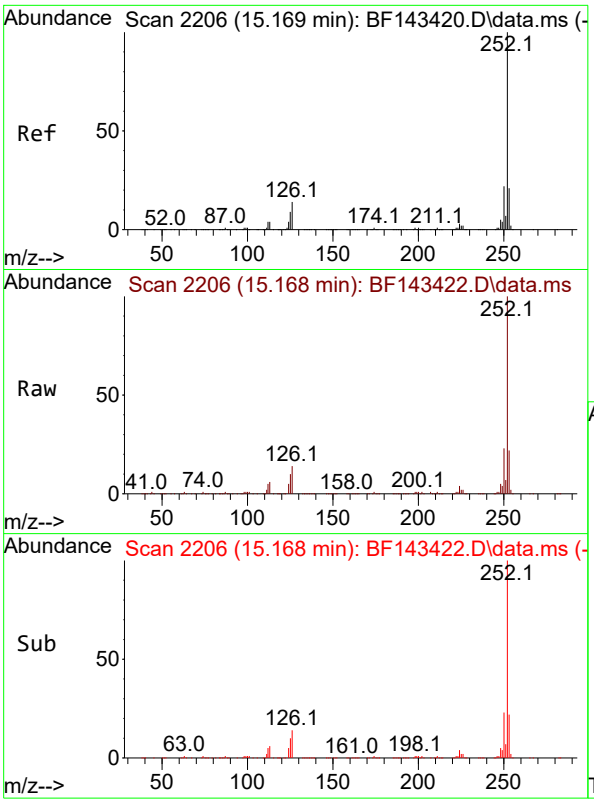


#88
Benzo(b)fluoranthene
Concen: 58.304 ng
RT: 15.139 min Scan# 2201
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:252 Resp: 732842

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	9.6	7.5	11.3



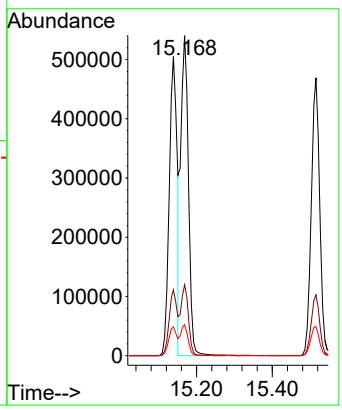


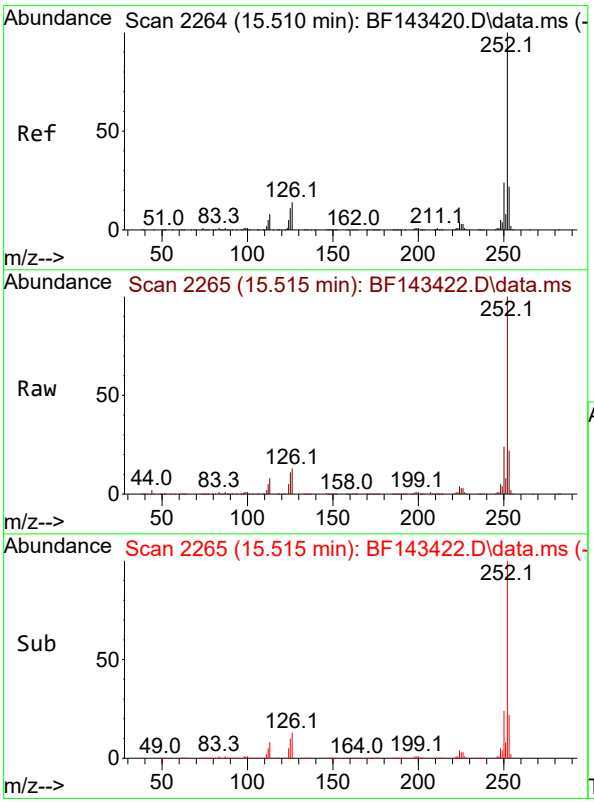
#89
Benzo(k)fluoranthene
Concen: 61.356 ng
RT: 15.168 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 760663

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.2	25.8
125	9.6	7.4	11.2

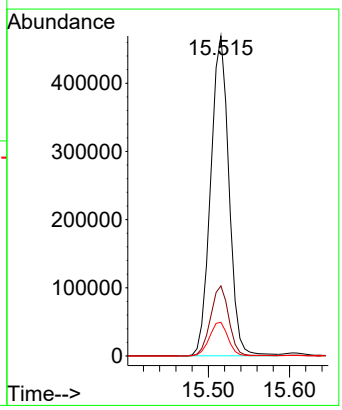


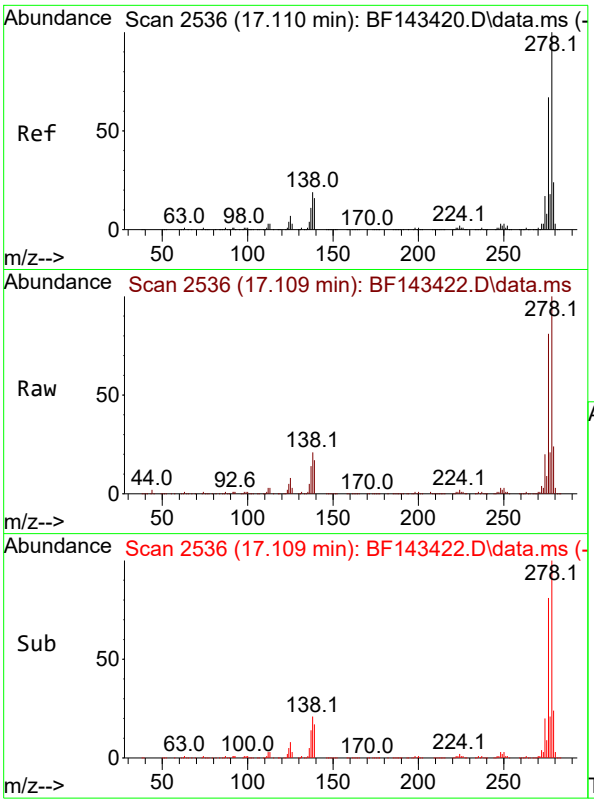


#90
Benzo(a)pyrene
Concen: 61.250 ng
RT: 15.515 min Scan# 2265
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:252 Resp: 733266

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	10.5	8.6	12.8



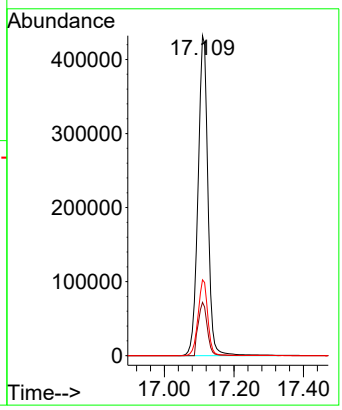


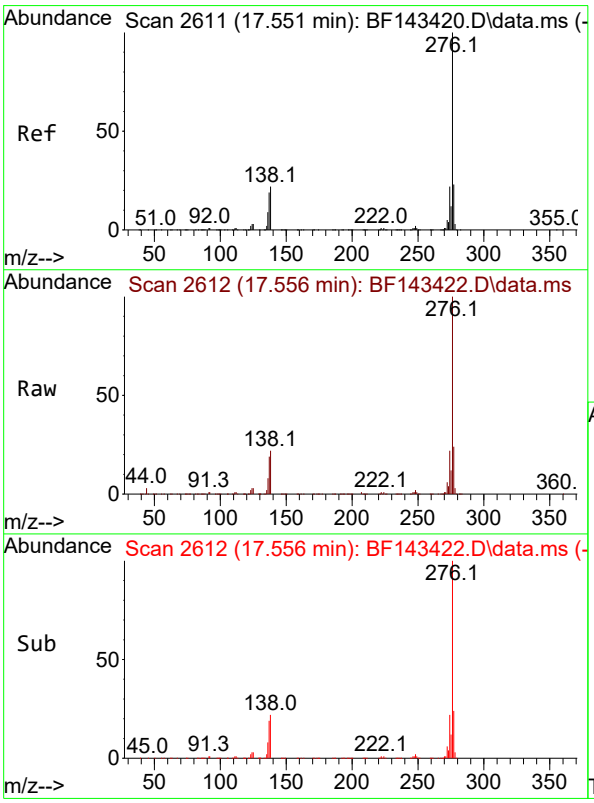
#91
Dibenzo(a,h)anthracene
Concen: 60.230 ng
RT: 17.109 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 850641

Ion	Ratio	Lower	Upper
278	100		
139	16.6	12.9	19.3
279	23.7	19.0	28.4

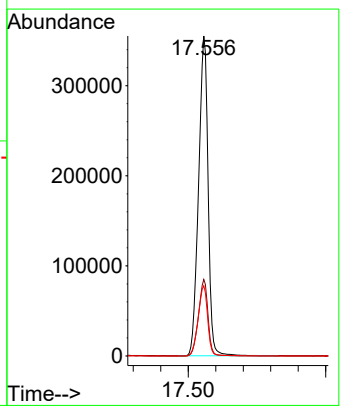




#92
Benzo(g,h,i)perylene
Concen: 60.552 ng
RT: 17.556 min Scan# 2612
Delta R.T. 0.006 min
Lab File: BF143422.D
Acq: 15 Aug 2025 17:27

Tgt Ion:276 Resp: 854308

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.7	28.1
138	21.9	17.5	26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143423.D
Acq On : 15 Aug 2025 17:57
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Aug 15 18:35:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	127613	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	496955	20.000	ng		0.00
39) Acenaphthene-d10	9.963	164	263799	20.000	ng		0.00
64) Phenanthrene-d10	11.451	188	374109	20.000	ng		0.00
76) Chrysene-d12	14.092	240	220524	20.000	ng		0.00
86) Perylene-d12	15.574	264	303217	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.563	112	1094798	149.132	ng		0.00
7) Phenol-d6	6.569	99	1363579	147.389	ng		0.01
23) Nitrobenzene-d5	7.492	82	1261400	150.617	ng		0.00
42) 2,4,6-Tribromophenol	10.757	330	351705	149.789	ng		0.00
45) 2-Fluorobiphenyl	9.286	172	2026738	129.225	ng		0.00
79) Terphenyl-d14	13.033	244	1586760	120.873	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.728	88	276532	78.256	ng		99
3) Pyridine	3.510	79	757343	81.717	ng		99
4) n-Nitrosodimethylamine	3.469	42	355369	82.495	ng		99
6) Aniline	6.592	93	926945	73.803	ng	#	72
8) 2-Chlorophenol	6.722	128	618701	76.338	ng		99
9) Benzaldehyde	6.481	77	257472	52.314	ng		98
10) Phenol	6.587	94	768115	71.149	ng	#	74
11) bis(2-Chloroethyl)ether	6.663	93	614996	76.851	ng		99
12) 1,3-Dichlorobenzene	6.875	146	663965	73.133	ng		99
13) 1,4-Dichlorobenzene	6.945	146	661667	73.000	ng		99
14) 1,2-Dichlorobenzene	7.098	146	633632	73.190	ng		99
15) Benzyl Alcohol	7.075	79	539442	79.066	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	953823	69.720	ng		84
17) 2-Methylphenol	7.187	107	502851	76.044	ng		97
18) Hexachloroethane	7.445	117	232945	75.504	ng		98
19) n-Nitroso-di-n-propyla...	7.351	70	410455	71.664	ng		96
20) 3+4-Methylphenols	7.339	107	560730	70.919	ng		94
22) Acetophenone	7.339	105	732714	68.575	ng	#	97
24) Nitrobenzene	7.516	77	659006	75.289	ng		98
25) Isophorone	7.757	82	1224888	76.418	ng		99
26) 2-Nitrophenol	7.828	139	333788	82.260	ng		99
27) 2,4-Dimethylphenol	7.869	122	495612	72.240	ng		98
28) bis(2-Chloroethoxy)met...	7.957	93	719188	72.998	ng		99
29) 2,4-Dichlorophenol	8.075	162	516697	73.880	ng		100
30) 1,2,4-Trichlorobenzene	8.151	180	516357	72.057	ng		99
31) Naphthalene	8.234	128	1643524	69.661	ng		99
32) Benzoic acid	8.004	122	320776	90.330	ng		98
33) 4-Chloroaniline	8.281	127	621429	72.971	ng		99
34) Hexachlorobutadiene	8.351	225	337758	73.915	ng		98
35) Caprolactam	8.669	113	154207	76.585	ng		98
36) 4-Chloro-3-methylphenol	8.763	107	528206	73.333	ng		99
37) 2-Methylnaphthalene	8.928	142	1082367	68.060	ng		99
38) 1-Methylnaphthalene	9.022	142	1040898	68.315	ng		100
40) 1,2,4,5-Tetrachloroben...	9.092	216	528998	71.904	ng		100
41) Hexachlorocyclopentadiene	9.081	237	224806	83.474	ng		99
43) 2,4,6-Trichlorophenol	9.204	196	356299	77.637	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143423.D
Acq On : 15 Aug 2025 17:57
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Aug 15 18:35:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

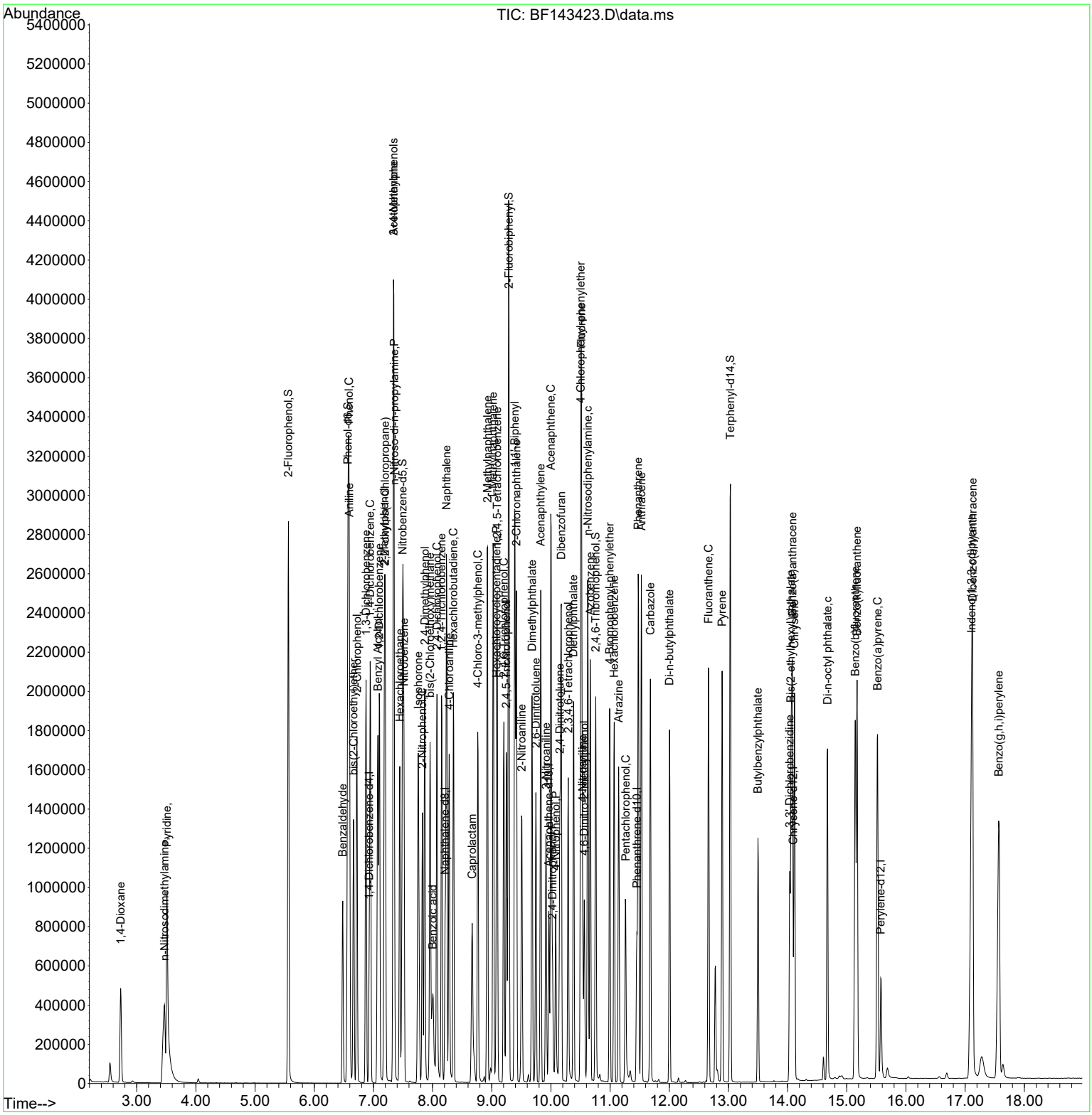
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	374807	76.189	ng	97
46) 1,1'-Biphenyl	9.386	154	1288126	69.497	ng	100
47) 2-Chloronaphthalene	9.416	162	1041882	71.212	ng	100
48) 2-Nitroaniline	9.504	65	340918	78.301	ng	100
49) Acenaphthylene	9.828	152	1493270	70.690	ng	99
50) Dimethylphthalate	9.680	163	1194741	72.643	ng	100
51) 2,6-Dinitrotoluene	9.745	165	263550	81.289	ng	98
52) Acenaphthene	9.998	154	1002131	70.534	ng	99
53) 3-Nitroaniline	9.916	138	282887	78.329	ng	99
54) 2,4-Dinitrophenol	10.028	184	124607	82.478	ng	96
55) Dibenzofuran	10.175	168	1406148	68.607	ng	98
56) 4-Nitrophenol	10.080	139	188791	83.148	ng	98
57) 2,4-Dinitrotoluene	10.151	165	339430	78.525	ng	99
58) Fluorene	10.516	166	1041922	66.173	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.292	232	285106	76.562	ng	96
60) Diethylphthalate	10.380	149	1048638	68.997	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	536308	68.893	ng	98
62) 4-Nitroaniline	10.533	138	253013	74.911	ng	98
63) Azobenzene	10.663	77	1079950	70.306	ng	98
65) 4,6-Dinitro-2-methylph...	10.563	198	176602	91.491	ng	98
66) n-Nitrosodiphenylamine	10.622	169	911081	74.898	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	343614	77.781	ng	98
68) Hexachlorobenzene	11.069	284	359214	76.486	ng	97
69) Atrazine	11.145	200	270449	76.013	ng	99
70) Pentachlorophenol	11.263	266	186470	89.429	ng	99
71) Phenanthrene	11.474	178	1428719	70.524	ng	99
72) Anthracene	11.527	178	1439557	70.354	ng	99
73) Carbazole	11.680	167	1207594	69.780	ng	100
74) Di-n-butylphthalate	12.004	149	1253224	72.721	ng	99
75) Fluoranthene	12.663	202	1207144	67.060	ng	99
78) Pyrene	12.892	202	1181381	61.635	ng	100
80) Butylbenzylphthalate	13.498	149	394998	83.201	ng	99
81) Benzo(a)anthracene	14.080	228	1068277	76.089	ng	100
82) 3,3'-Dichlorobenzidine	14.033	252	340456	82.823	ng	100
83) Chrysene	14.115	228	958475	73.845	ng	100
84) Bis(2-ethylhexyl)phtha...	14.057	149	584266	86.658	ng	99
85) Di-n-octyl phthalate	14.674	149	1162314	84.996	ng	100
87) Indeno(1,2,3-cd)pyrene	17.109	276	1666322	73.282	ng	99
88) Benzo(b)fluoranthene	15.145	252	1257001	77.348	ng	99
89) Benzo(k)fluoranthene	15.174	252	1186018	73.992	ng	99
90) Benzo(a)pyrene	15.521	252	1183837	76.483	ng	99
91) Dibenzo(a,h)anthracene	17.127	278	1328554	72.757	ng	99
92) Benzo(g,h,i)perylene	17.568	276	1346979	73.842	ng	99

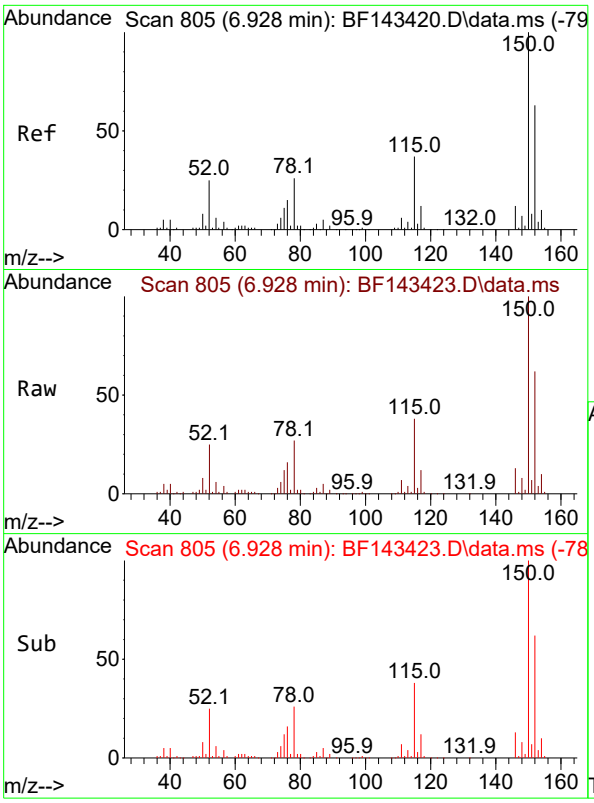
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143423.D
Acq On : 15 Aug 2025 17:57
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Aug 15 18:35:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration



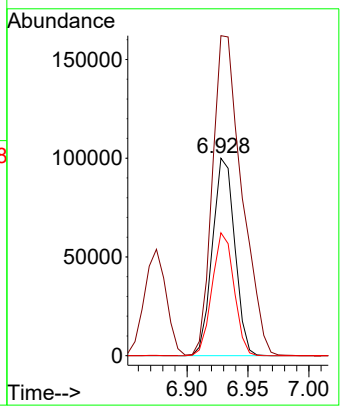


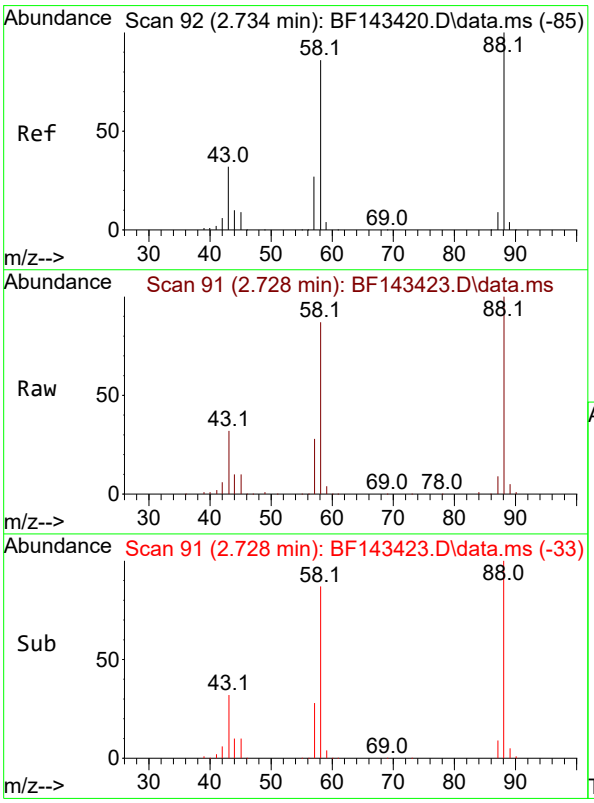
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 127613

Ion	Ratio	Lower	Upper
152	100		
150	162.1	127.4	191.2
115	62.3	47.5	71.3

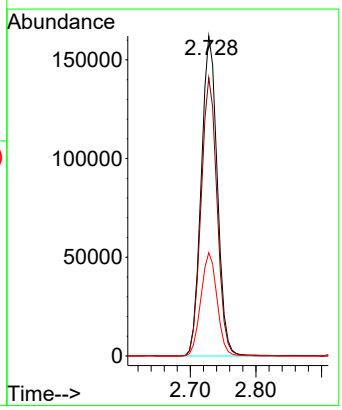


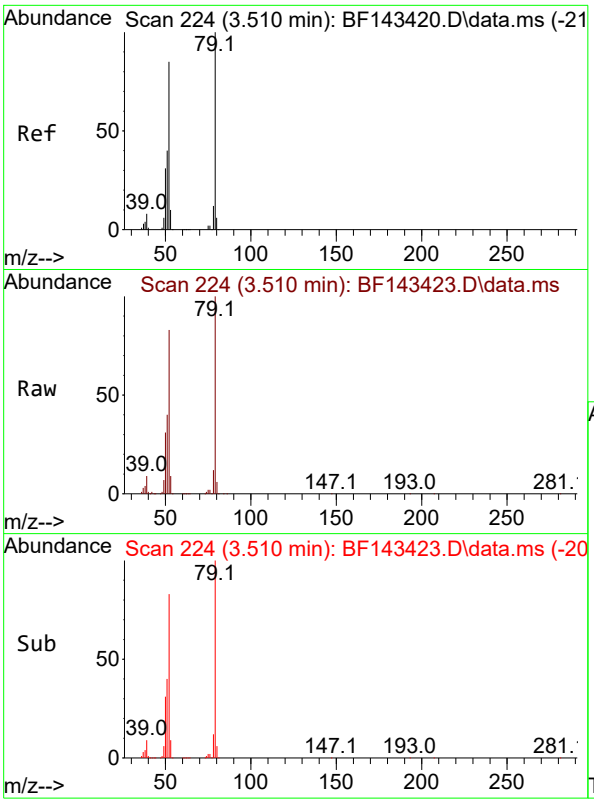


#2
1,4-Dioxane
Concen: 78.256 ng
RT: 2.728 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion: 88 Resp: 276532

Ion	Ratio	Lower	Upper
88	100		
58	86.7	68.7	103.1
43	32.5	26.1	39.1



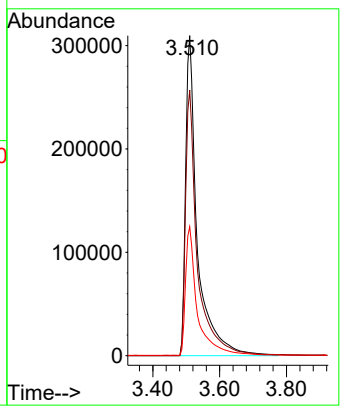


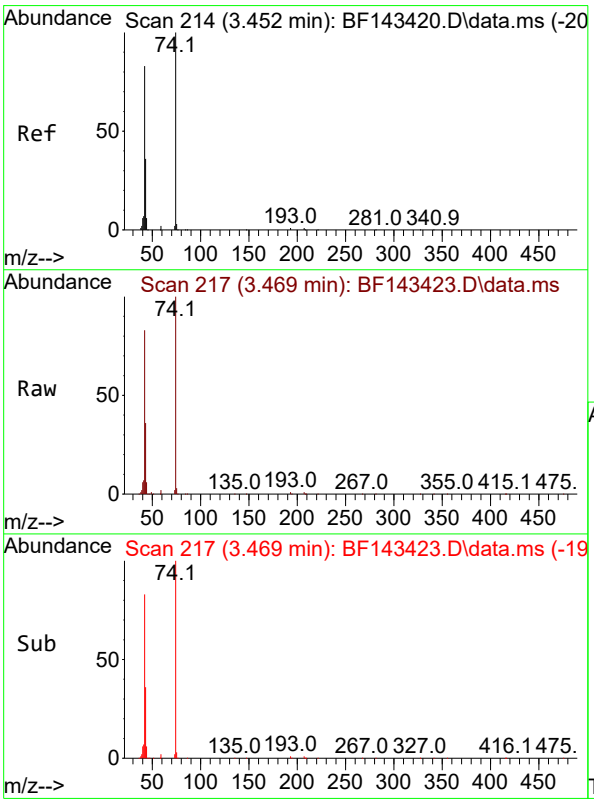
#3
Pyridine
Concen: 81.717 ng
RT: 3.510 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 757343

Ion	Ratio	Lower	Upper
79	100		
52	83.0	67.7	101.5
51	40.3	32.3	48.5

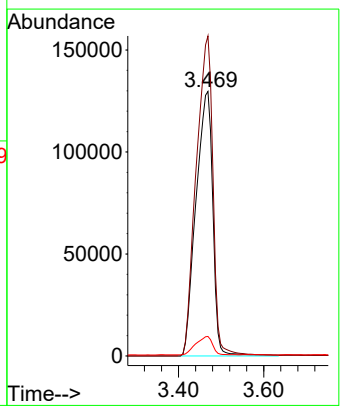


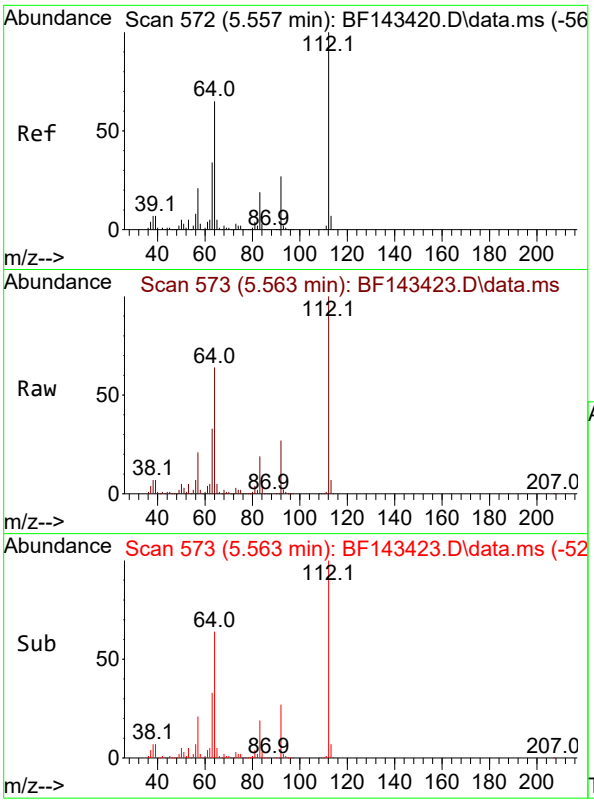


#4
n-Nitrosodimethylamine
Concen: 82.495 ng
RT: 3.469 min Scan# 217
Delta R.T. 0.018 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion: 42 Resp: 355369

Ion	Ratio	Lower	Upper
42	100		
74	121.0	96.2	144.4
44	7.4	5.9	8.9



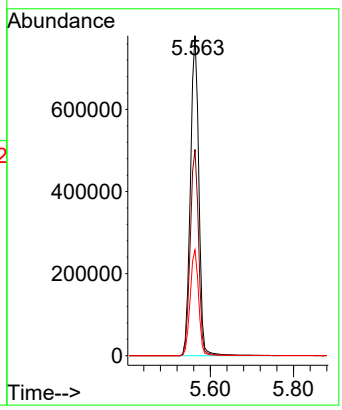


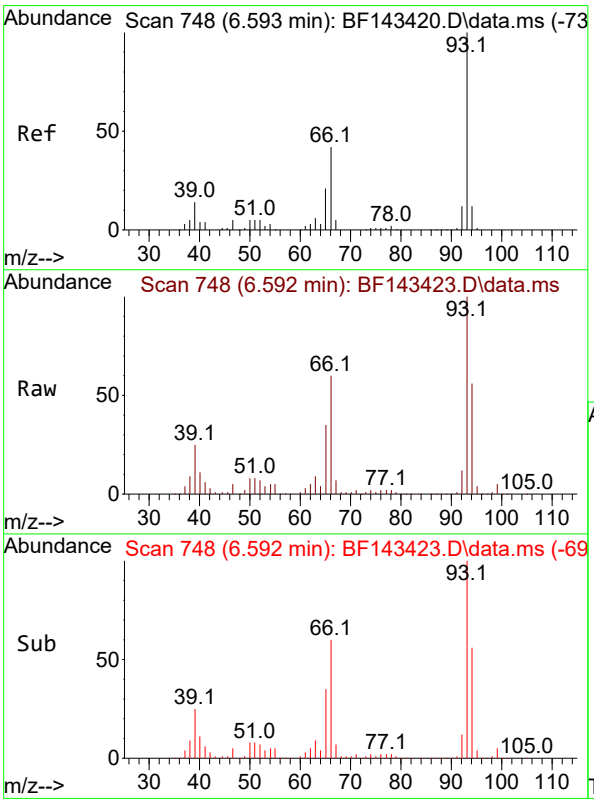
#5
2-Fluorophenol
Concen: 149.132 ng
RT: 5.563 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 1094798

Ion	Ratio	Lower	Upper
112	100		
64	64.5	52.2	78.2
63	33.1	27.0	40.6

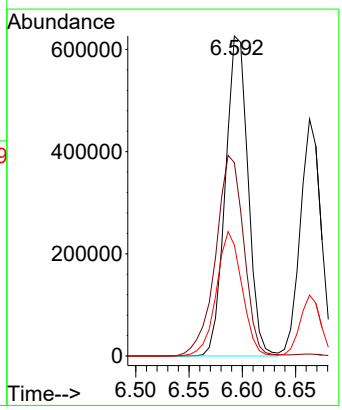


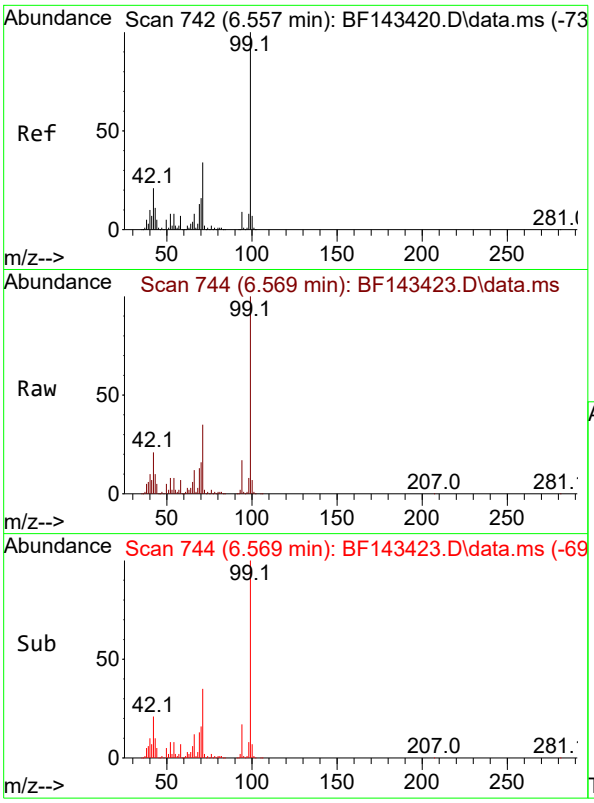


#6
Aniline
Concen: 73.803 ng
RT: 6.592 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion: 93 Resp: 926945

Ion	Ratio	Lower	Upper
93	100		
66	60.4	33.8	50.8#
65	34.6	17.2	25.8#



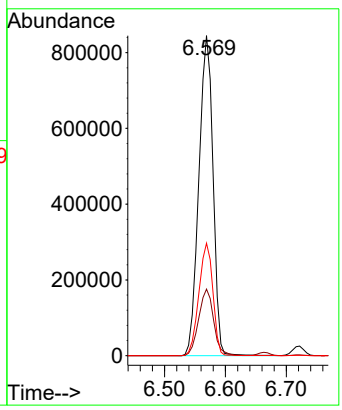


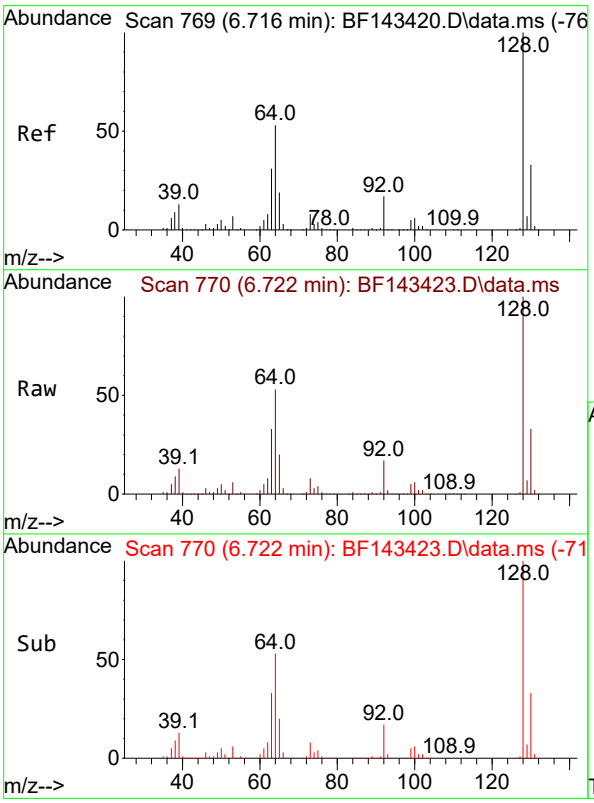
#7
Phenol-d6
Concen: 147.389 ng
RT: 6.569 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 1363579

Ion	Ratio	Lower	Upper
99	100		
42	20.8	17.0	25.6
71	35.1	27.4	41.2

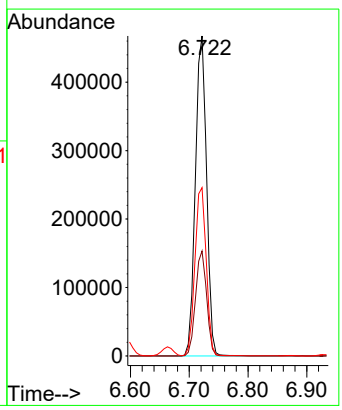


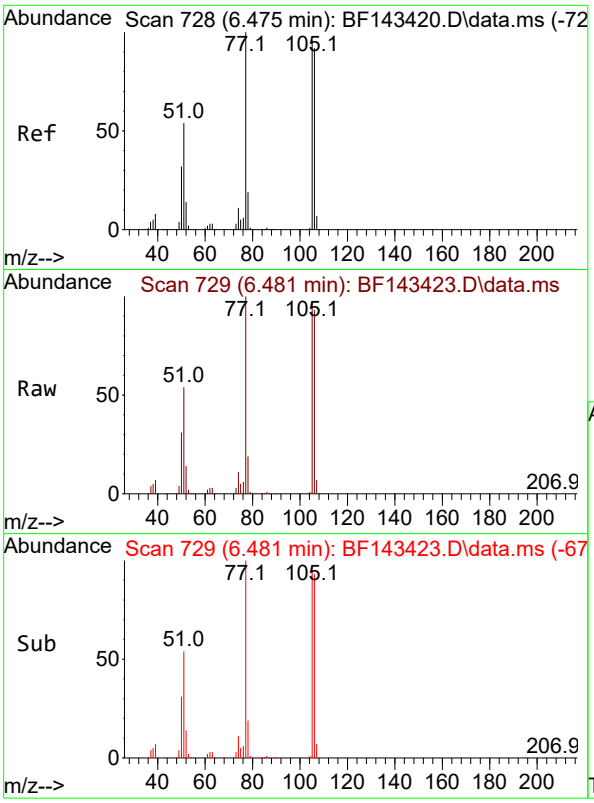


#8
2-Chlorophenol
Concen: 76.338 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:128 Resp: 618701

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.9	52.9
64	52.6	33.1	73.1



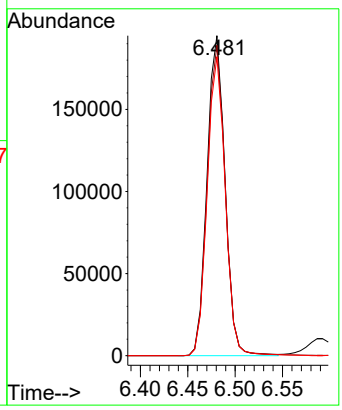


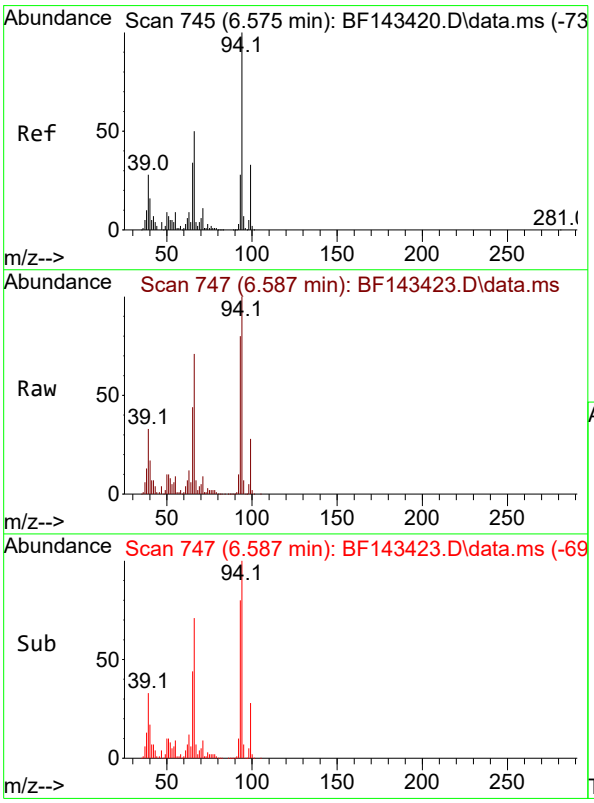
#9
Benzaldehyde
Concen: 52.314 ng
RT: 6.481 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 257472

Ion	Ratio	Lower	Upper
77	100		
105	97.0	75.5	115.5
106	93.4	72.0	112.0

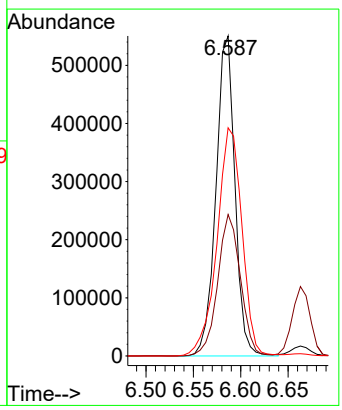


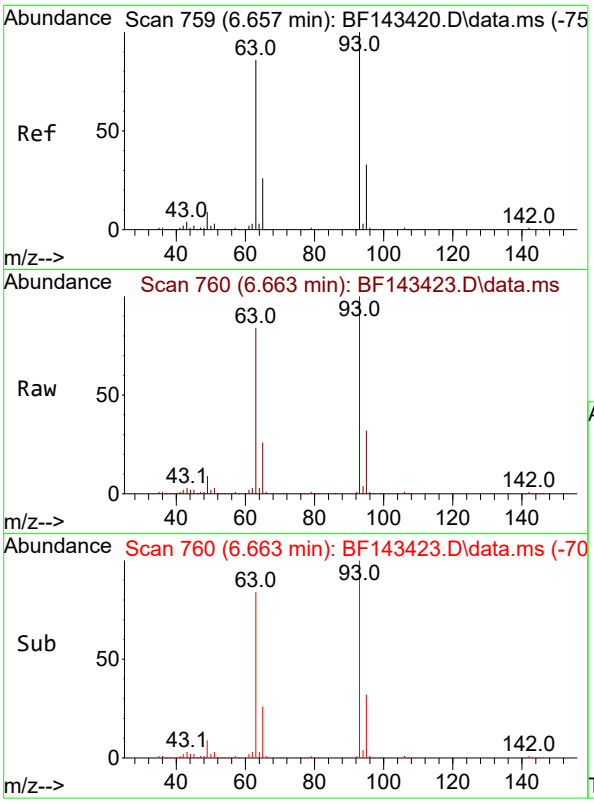


#10
Phenol
Concen: 71.149 ng
RT: 6.587 min Scan# 747
Delta R.T. 0.012 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion: 94 Resp: 768115

Ion	Ratio	Lower	Upper
94	100		
65	44.2	13.7	53.7
66	71.3	30.3	70.3#



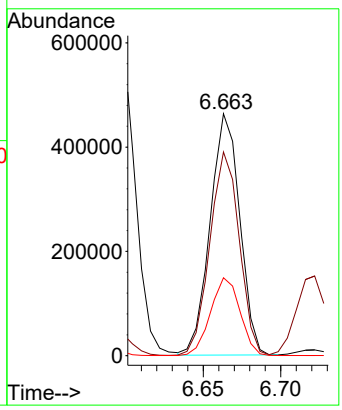


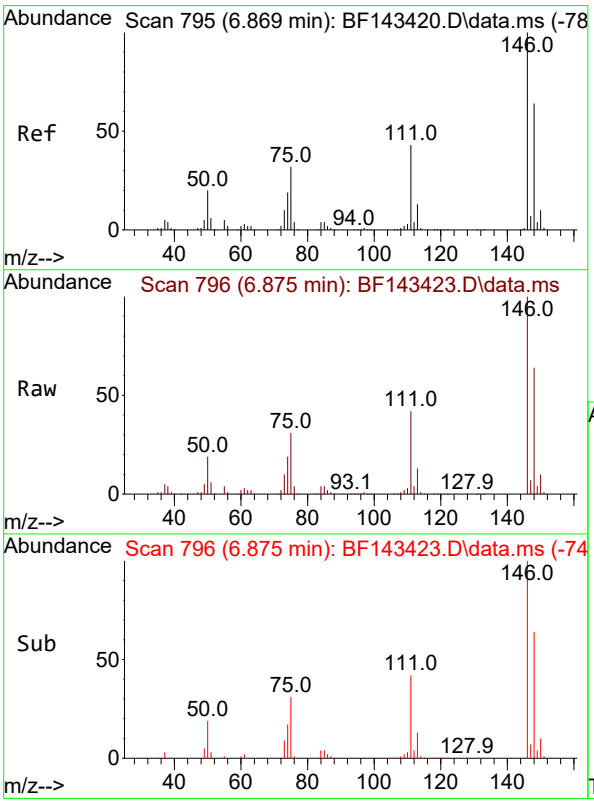
#11
bis(2-Chloroethyl)ether
Concen: 76.851 ng
RT: 6.663 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 614996

Ion	Ratio	Lower	Upper
93	100		
63	84.2	65.4	105.4
95	32.2	12.8	52.8

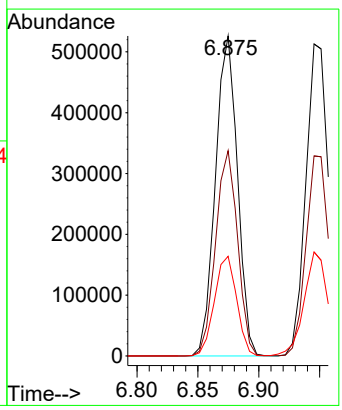


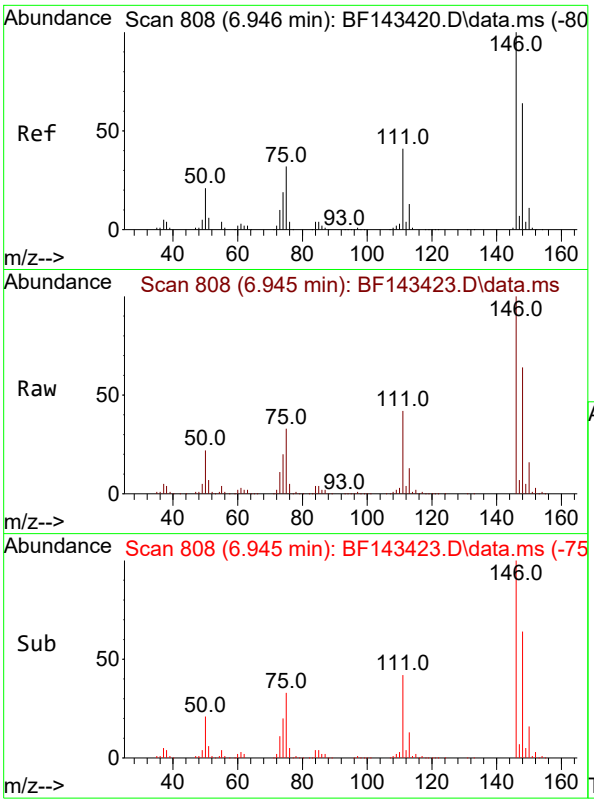


#12
1,3-Dichlorobenzene
Concen: 73.133 ng
RT: 6.875 min Scan# 796
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:146 Resp: 663965

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.0	76.4
75	31.2	25.3	37.9



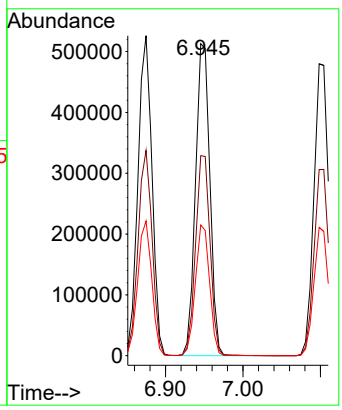


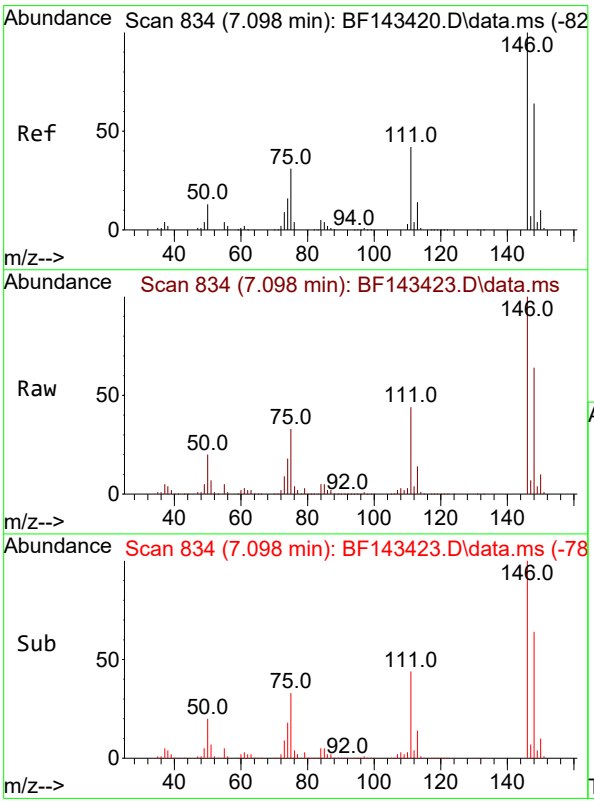
#13
1,4-Dichlorobenzene
Concen: 73.000 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 661667

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.1	76.7
111	41.9	32.5	48.7

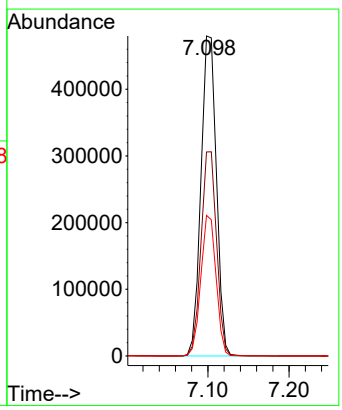


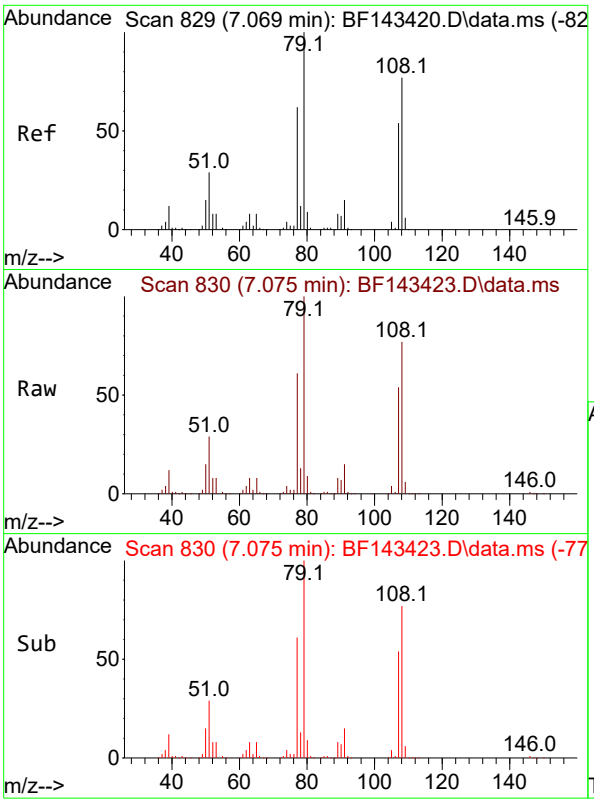


#14
1,2-Dichlorobenzene
Concen: 73.190 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:146 Resp: 633632

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.4	77.0
111	44.0	33.9	50.9



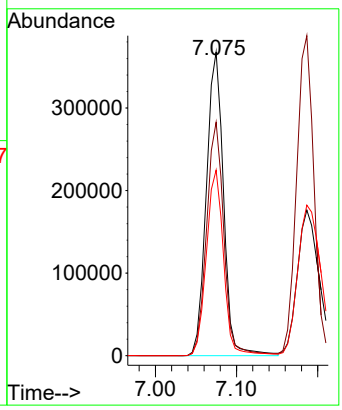


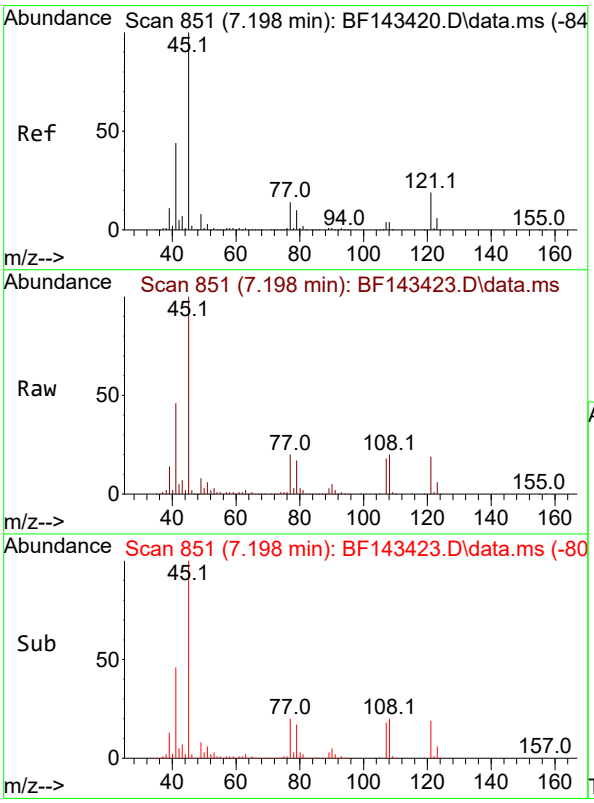
#15
Benzyl Alcohol
Concen: 79.066 ng
RT: 7.075 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 539442

Ion	Ratio	Lower	Upper
79	100		
108	76.9	61.9	92.9
77	61.1	49.2	73.8

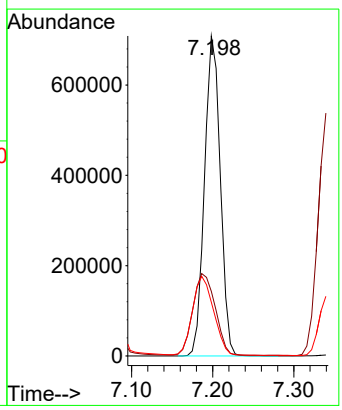


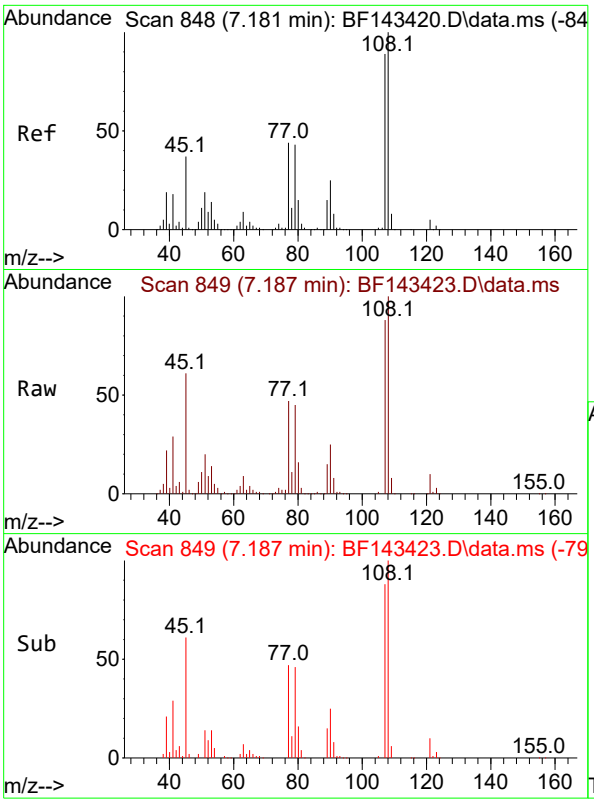


#16
2,2'-oxybis(1-Chloropropane)
Concen: 69.720 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion: 45 Resp: 953823

Ion	Ratio	Lower	Upper
45	100		
77	20.2	0.0	33.9
79	16.8	0.0	30.7



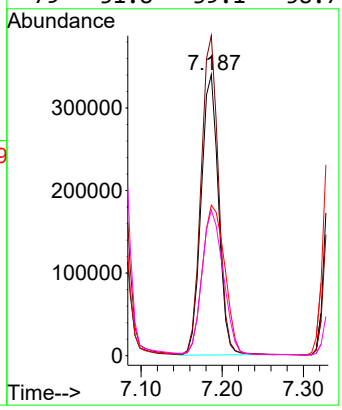


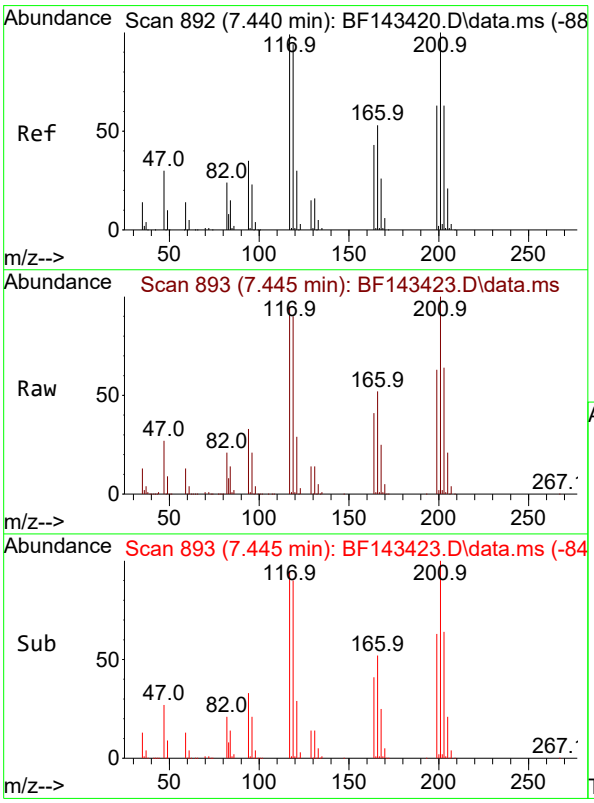
#17
2-Methylphenol
Concen: 76.044 ng
RT: 7.187 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 502851

Ion	Ratio	Lower	Upper
107	100		
108	113.8	90.1	135.1
77	53.6	39.9	59.9
79	51.8	39.1	58.7

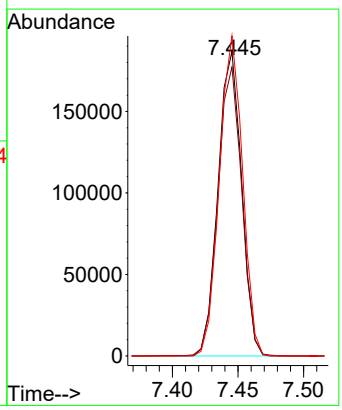


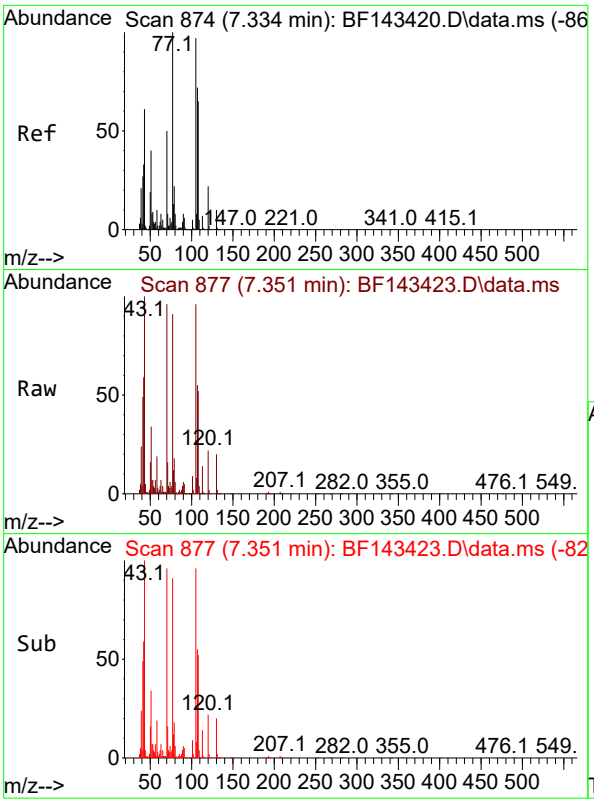


#18
Hexachloroethane
Concen: 75.504 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:117 Resp: 232945

Ion	Ratio	Lower	Upper
117	100		
119	94.9	76.6	114.8
201	105.1	81.0	121.4



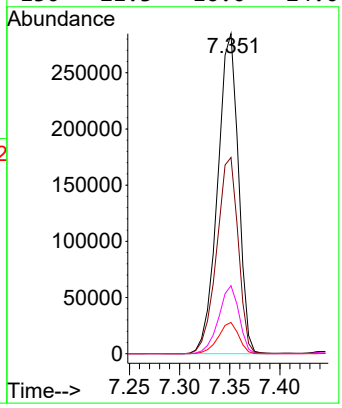


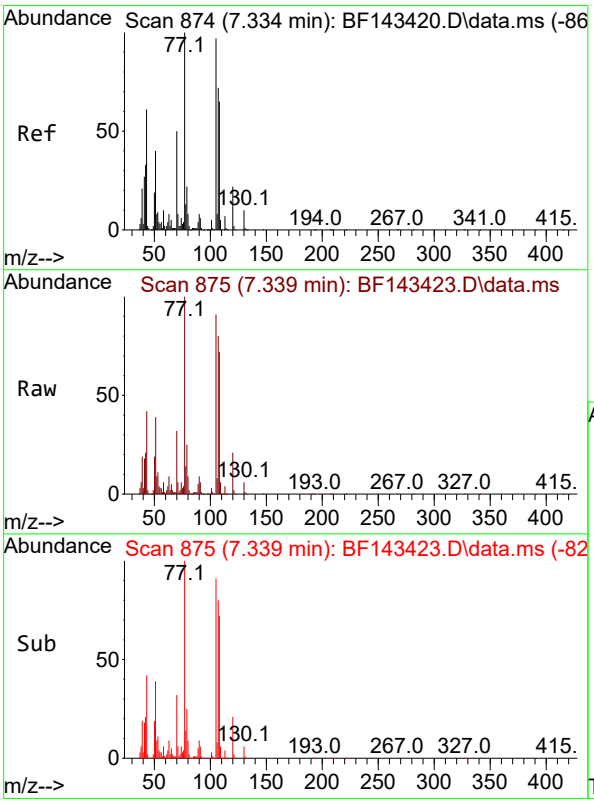
#19
n-Nitroso-di-n-propylamine
Concen: 71.664 ng
RT: 7.351 min Scan# 8
Delta R.T. 0.017 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 70 Resp: 410455

Ion	Ratio	Lower	Upper
70	100		
42	61.3	52.5	78.7
101	9.8	7.9	11.9
130	21.3	16.0	24.0

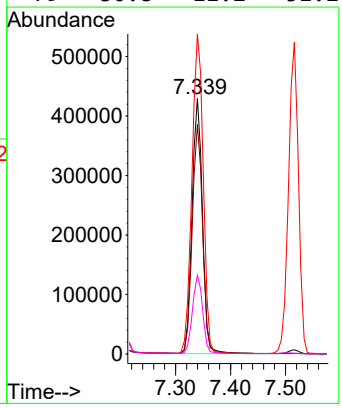


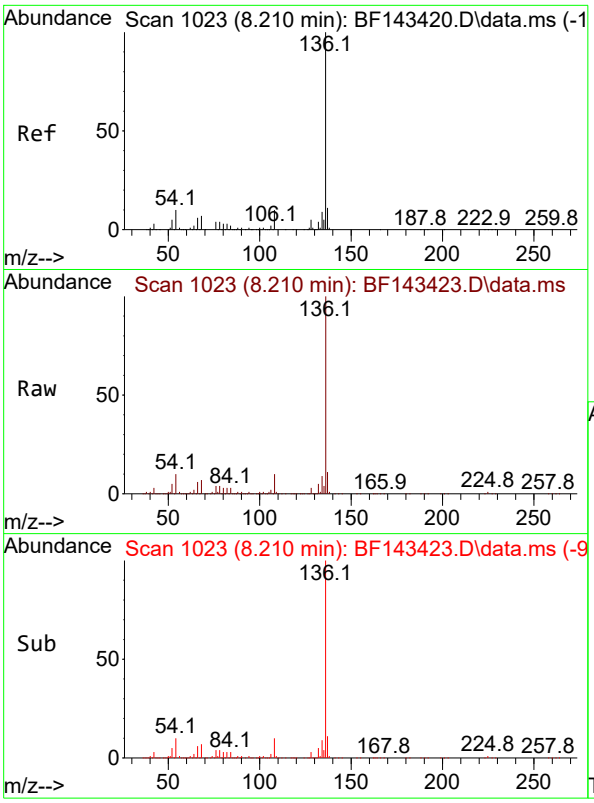


#20
3+4-Methylphenols
Concen: 70.919 ng
RT: 7.339 min Scan# 875
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:107 Resp: 560730

Ion	Ratio	Lower	Upper
107	100		
108	89.8	70.8	110.8
77	125.3	119.1	159.1
79	30.8	11.2	51.2



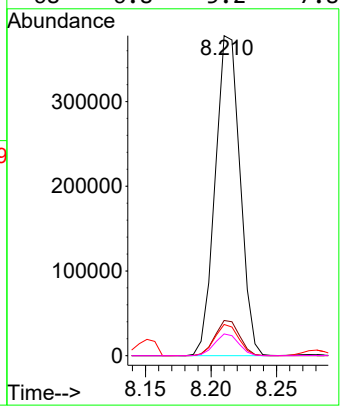


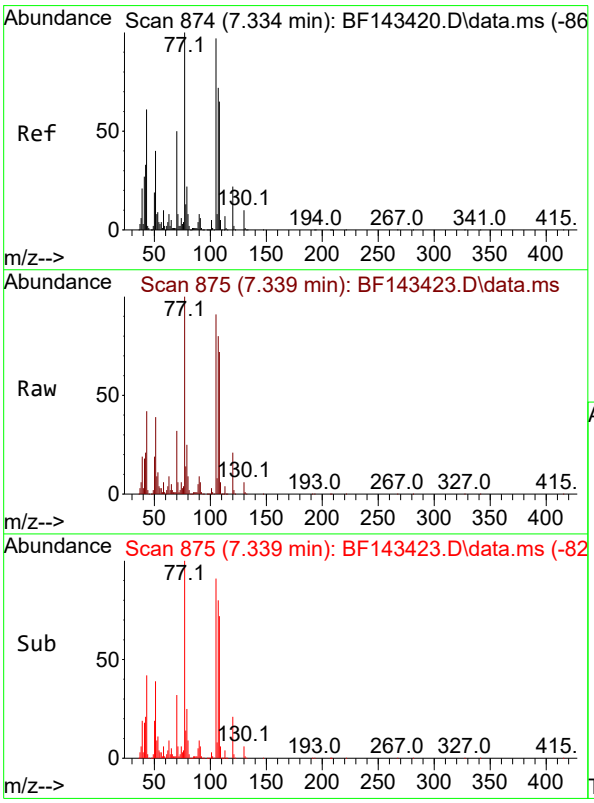
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 496955

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	9.7	7.8	11.8
68	6.8	5.2	7.8

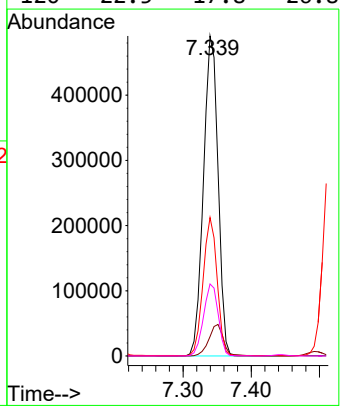


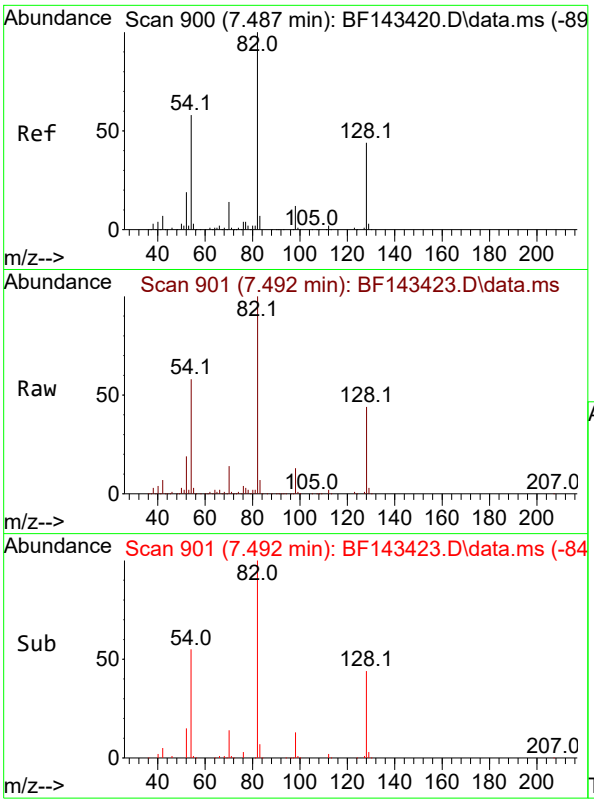


#22
Acetophenone
Concen: 68.575 ng
RT: 7.339 min Scan# 875
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:105 Resp: 732714

Ion	Ratio	Lower	Upper
105	100		
71	6.0	7.0	10.4#
51	43.2	32.7	49.1
120	22.5	17.8	26.8



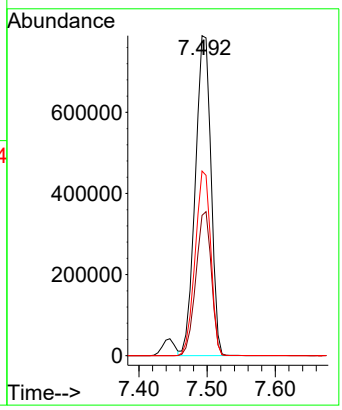


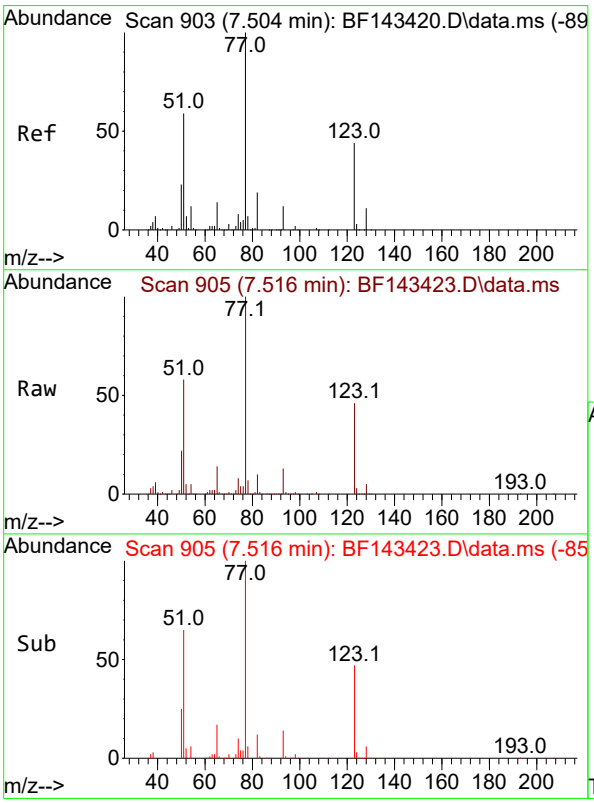
#23
Nitrobenzene-d5
Concen: 150.617 ng
RT: 7.492 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 1261400

Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.6	52.0
54	57.7	46.0	69.0

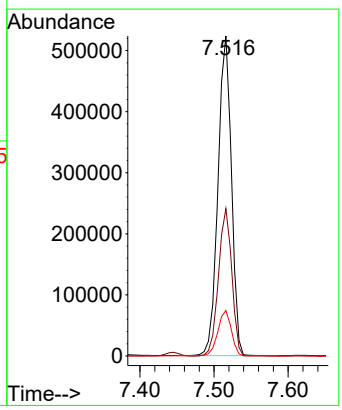


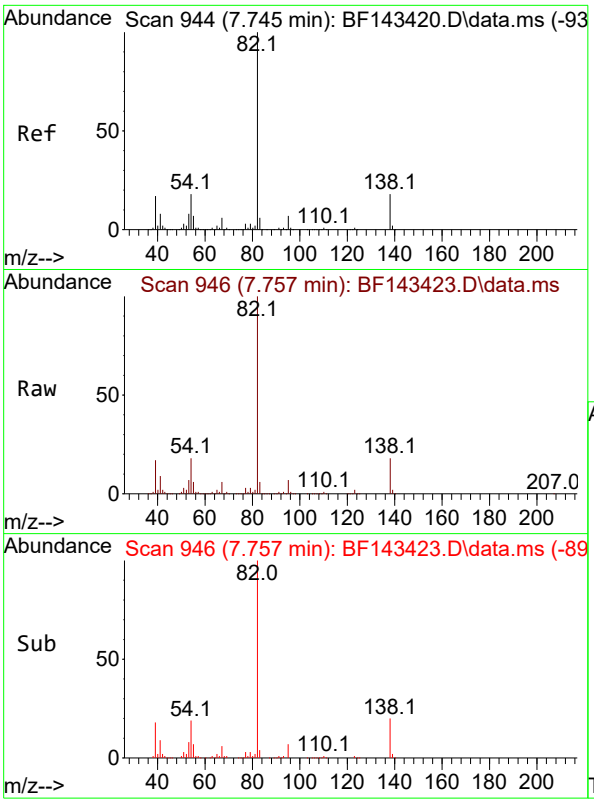


#24
Nitrobenzene
Concen: 75.289 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.012 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion: 77 Resp: 659006

Ion	Ratio	Lower	Upper
77	100		
123	46.0	35.4	53.0
65	14.2	11.2	16.8



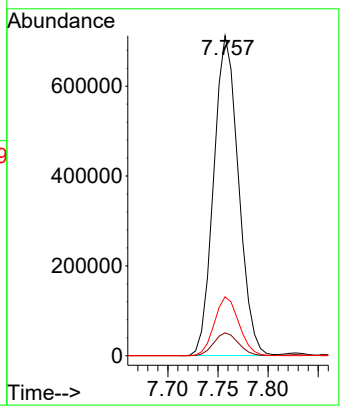


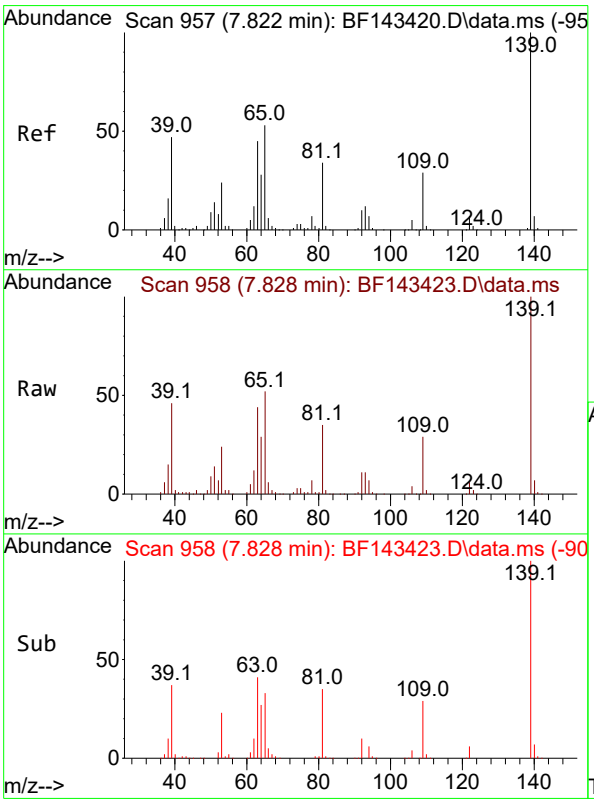
#25
Isophorone
Concen: 76.418 ng
RT: 7.757 min Scan# 94
Delta R.T. 0.012 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 1224888

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.6	8.4
138	18.4	14.3	21.5

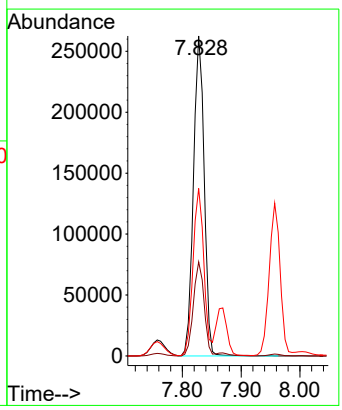


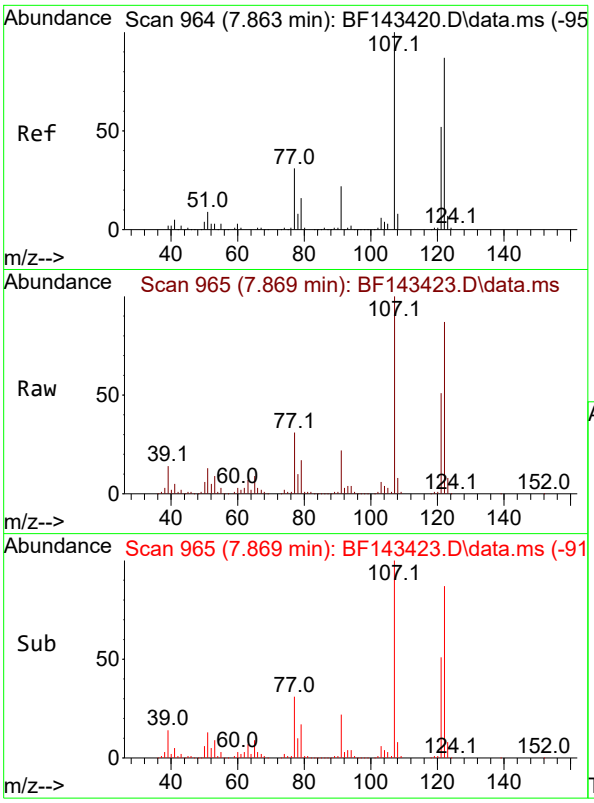


#26
2-Nitrophenol
Concen: 82.260 ng
RT: 7.828 min Scan# 958
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:139 Resp: 333788

Ion	Ratio	Lower	Upper
139	100		
109	29.4	23.0	34.4
65	52.4	42.5	63.7



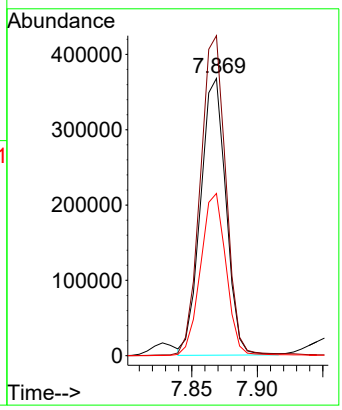


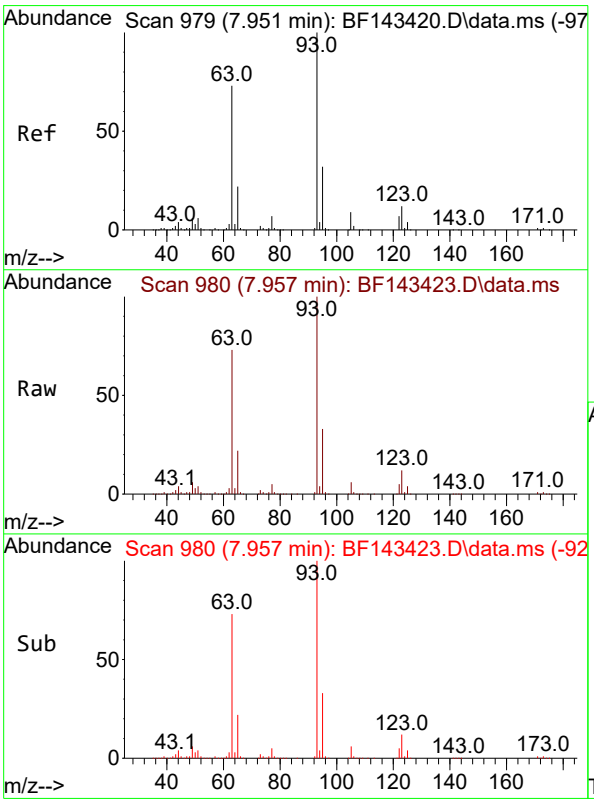
#27
2,4-Dimethylphenol
Concen: 72.240 ng
RT: 7.869 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 495612

Ion	Ratio	Lower	Upper
122	100		
107	115.4	90.4	135.6
121	58.5	46.7	70.1

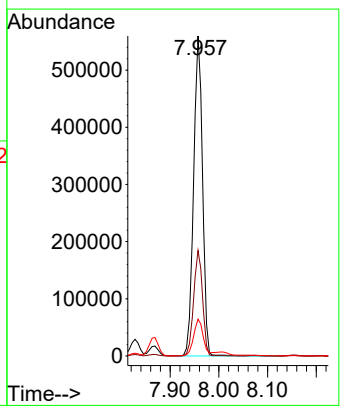


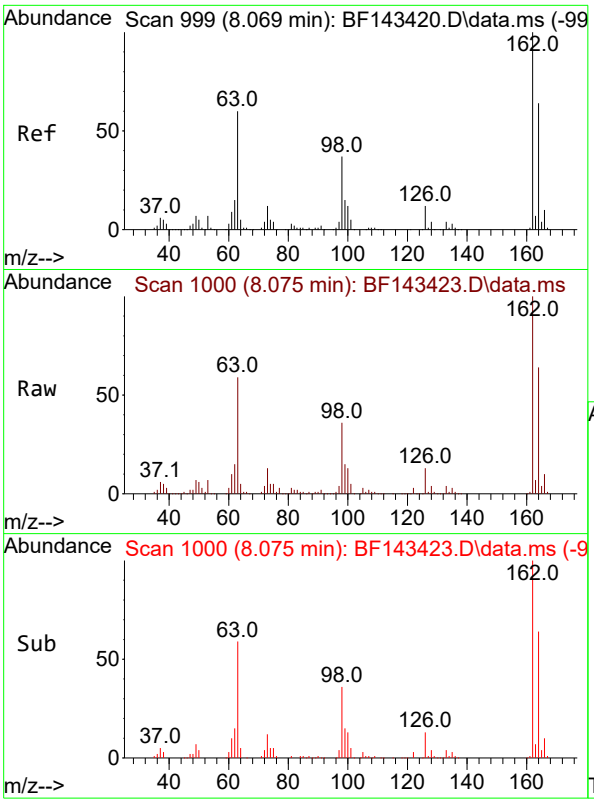


#28
bis(2-Chloroethoxy)methane
Concen: 72.998 ng
RT: 7.957 min Scan# 980
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion: 93 Resp: 719188

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.0	39.0
123	11.5	9.5	14.3



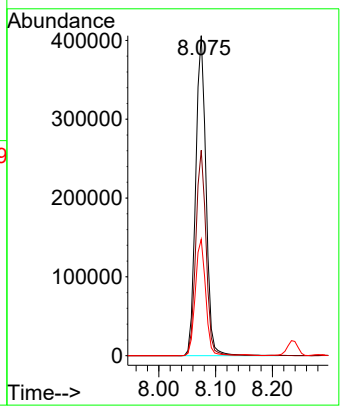


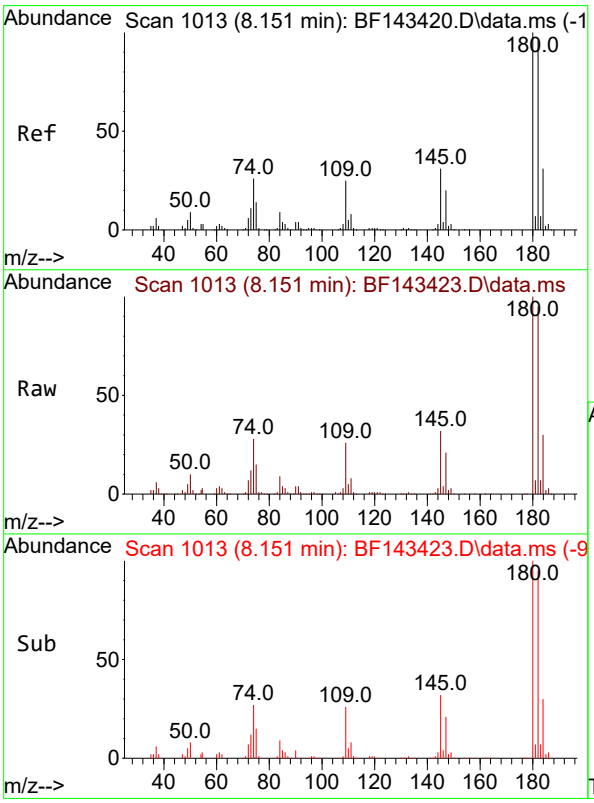
#29
2,4-Dichlorophenol
Concen: 73.880 ng
RT: 8.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 516697

Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.3	84.3
98	36.3	16.9	56.9

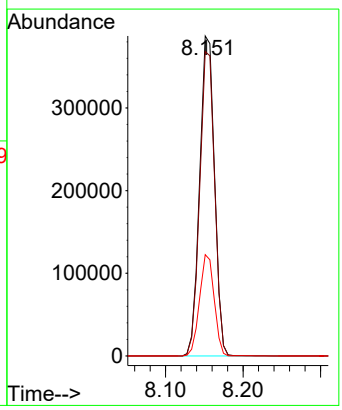


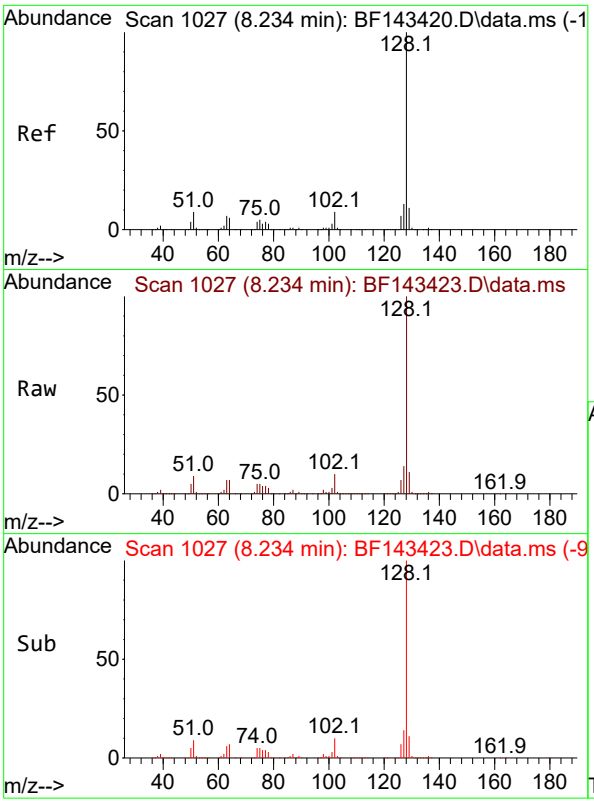


#30
1,2,4-Trichlorobenzene
Concen: 72.057 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:180 Resp: 516357

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.7	115.1
145	31.7	24.5	36.7



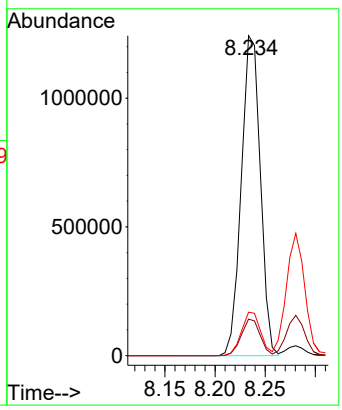


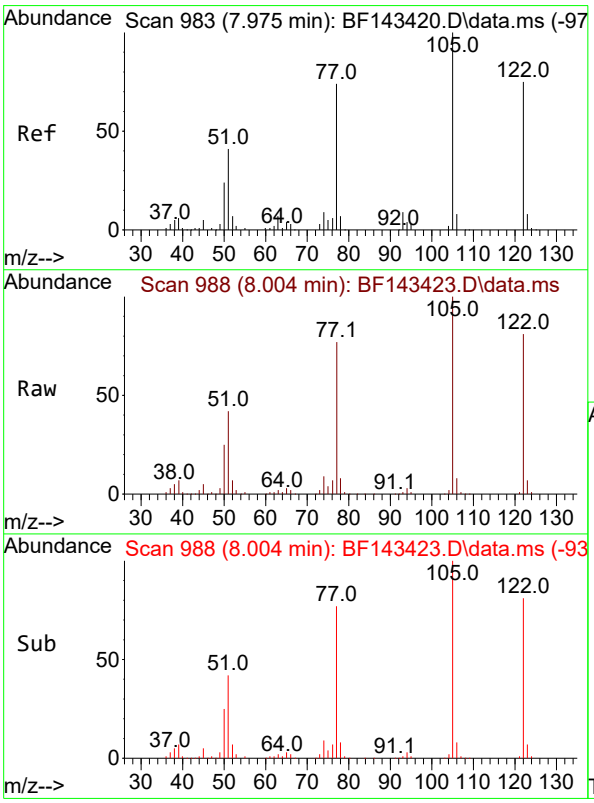
#31
Naphthalene
Concen: 69.661 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:128 Resp: 1643524

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.9	13.3
127	13.6	10.6	16.0

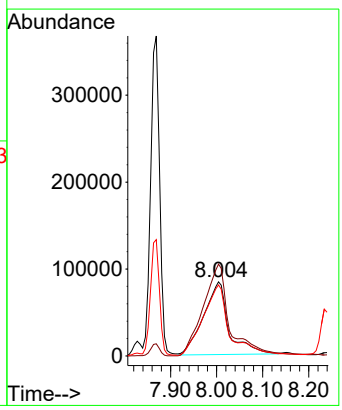


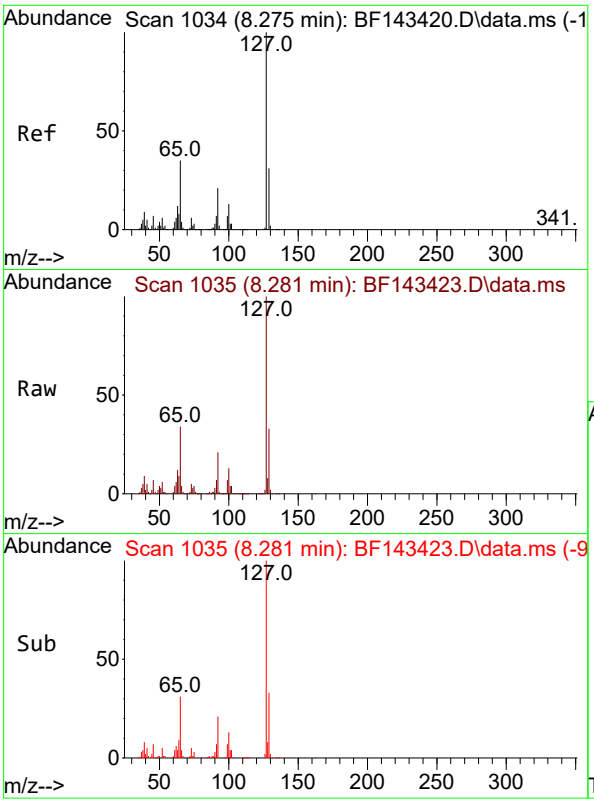


#32
Benzoic acid
Concen: 90.330 ng
RT: 8.004 min Scan# 988
Delta R.T. 0.029 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:122 Resp: 320776

Ion	Ratio	Lower	Upper
122	100		
105	123.9	108.4	148.4
77	95.9	75.9	115.9



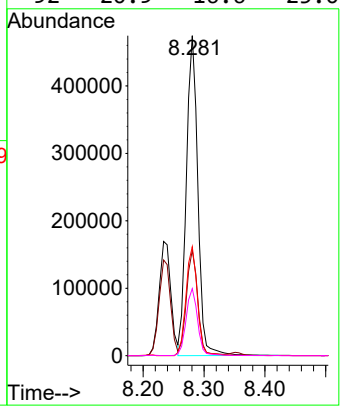


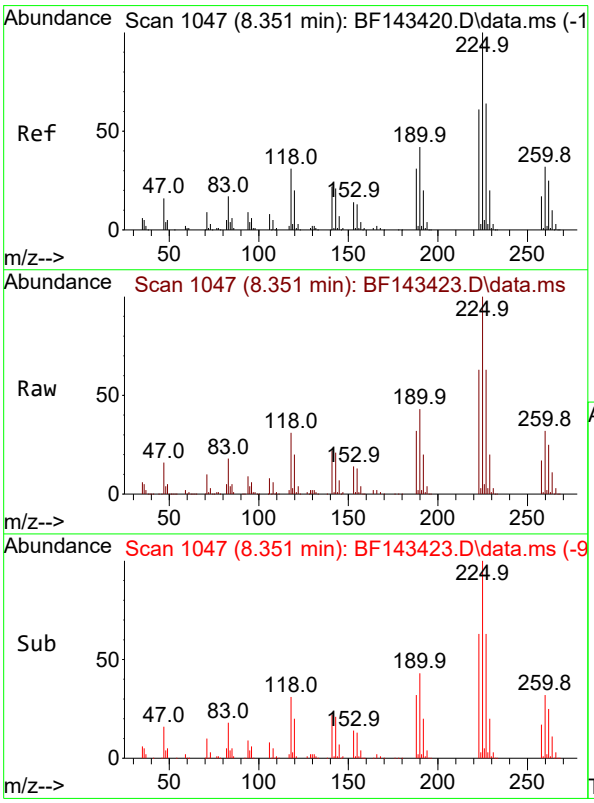
#33
4-Chloroaniline
Concen: 72.971 ng
RT: 8.281 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:127 Resp: 621429

Ion	Ratio	Lower	Upper
127	100		
129	33.0	25.8	38.8
65	34.1	27.2	40.8
92	20.9	16.6	25.0

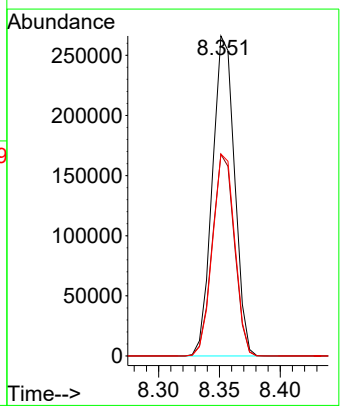


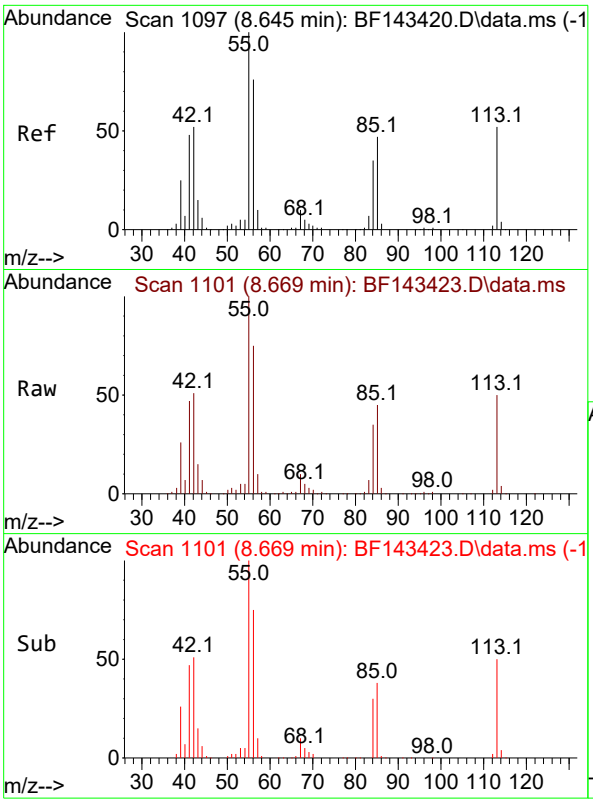


#34
Hexachlorobutadiene
Concen: 73.915 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:225 Resp: 337758

Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.0	73.6
227	63.1	51.1	76.7



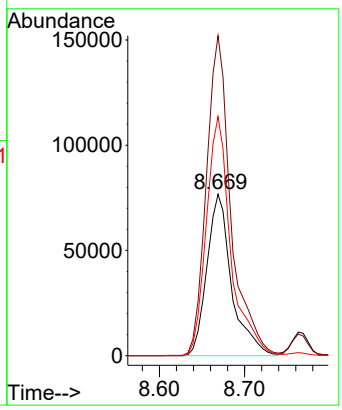


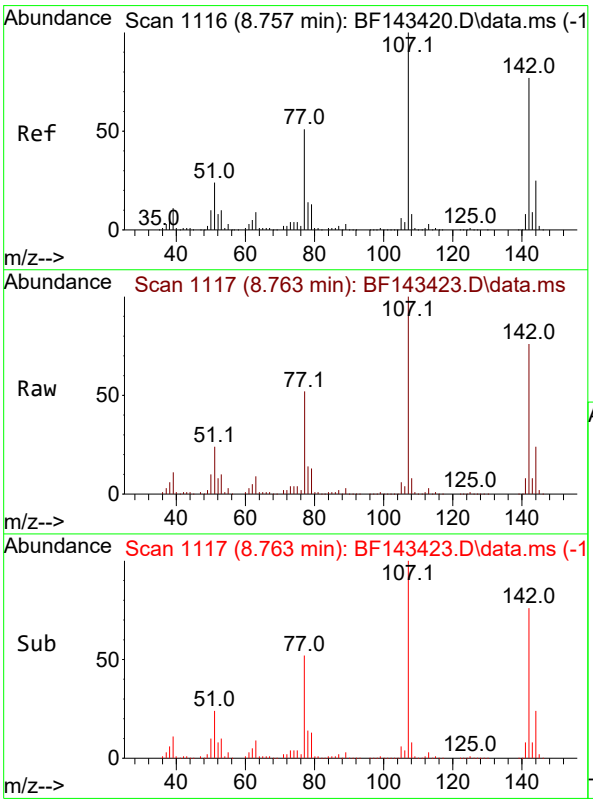
#35
Caprolactam
Concen: 76.585 ng
RT: 8.669 min Scan# 11
Delta R.T. 0.023 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:113 Resp: 154207

Ion	Ratio	Lower	Upper
113	100		
55	198.2	174.7	214.7
56	148.0	127.0	167.0

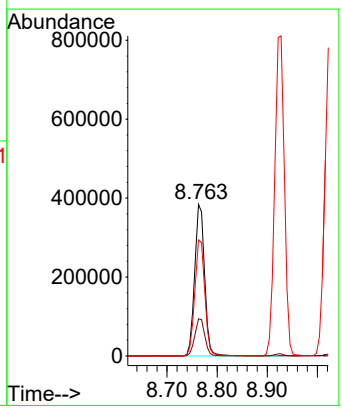


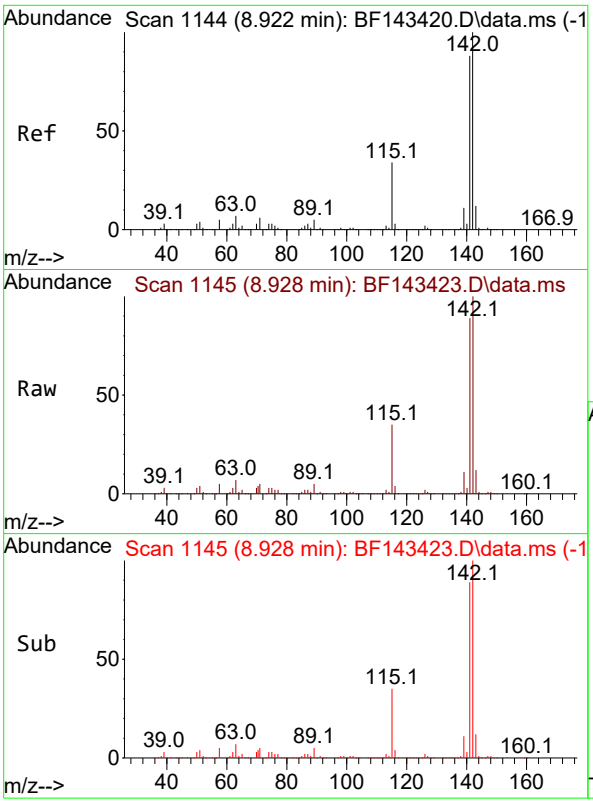


#36
4-Chloro-3-methylphenol
Concen: 73.333 ng
RT: 8.763 min Scan# 1117
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:107 Resp: 528206

Ion	Ratio	Lower	Upper
107	100		
144	24.5	20.2	30.2
142	76.4	62.0	93.0



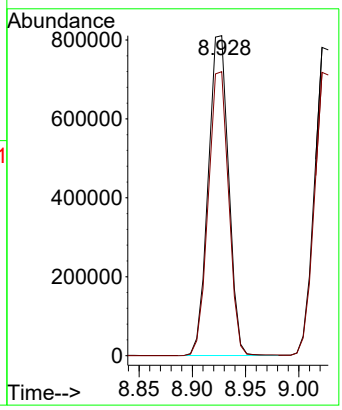


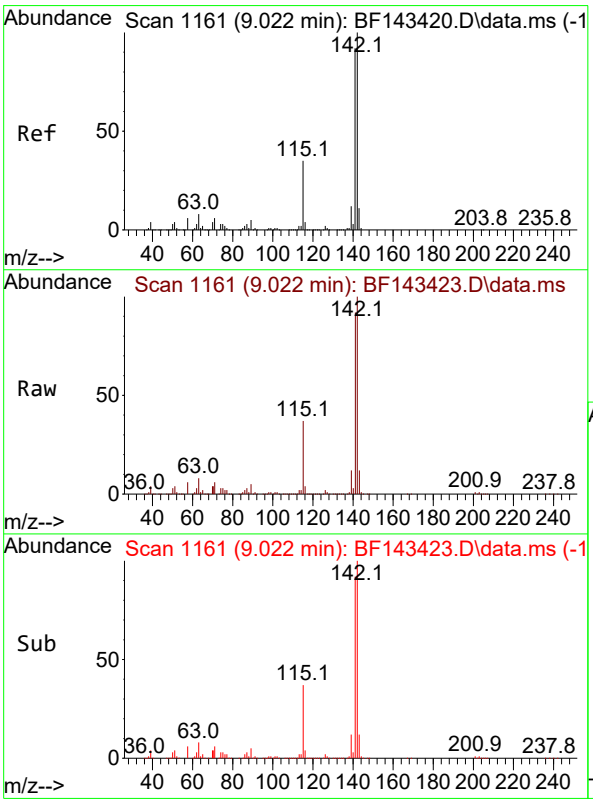
#37
2-Methylnaphthalene
Concen: 68.060 ng
RT: 8.928 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 1082367

Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.3	105.5

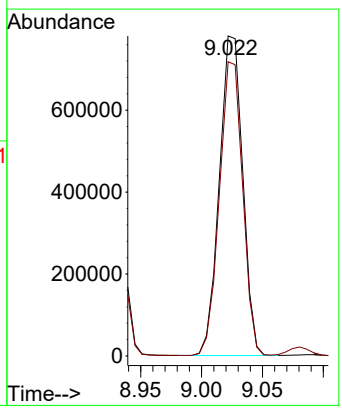


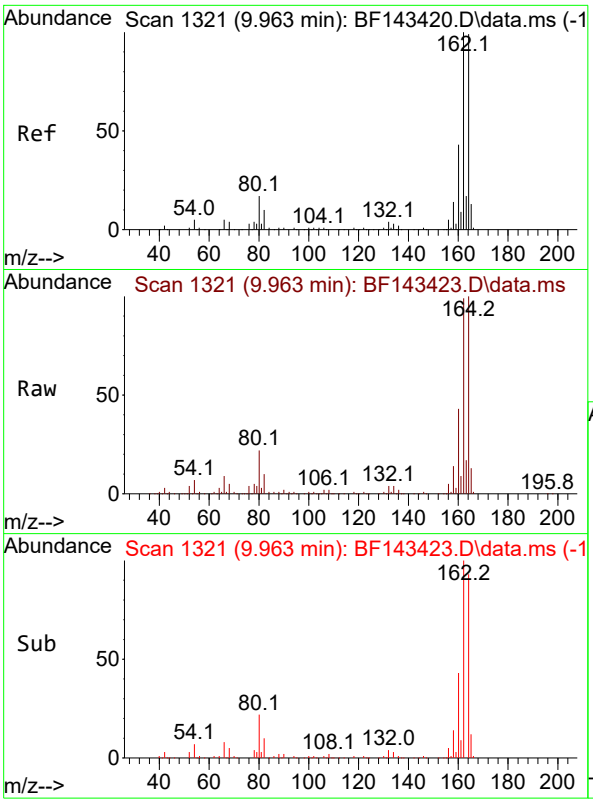


#38
1-Methylnaphthalene
Concen: 68.315 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:142 Resp: 1040898

Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.8	110.6



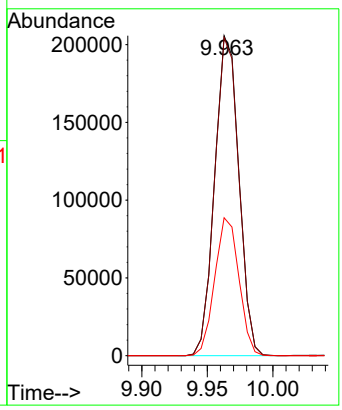


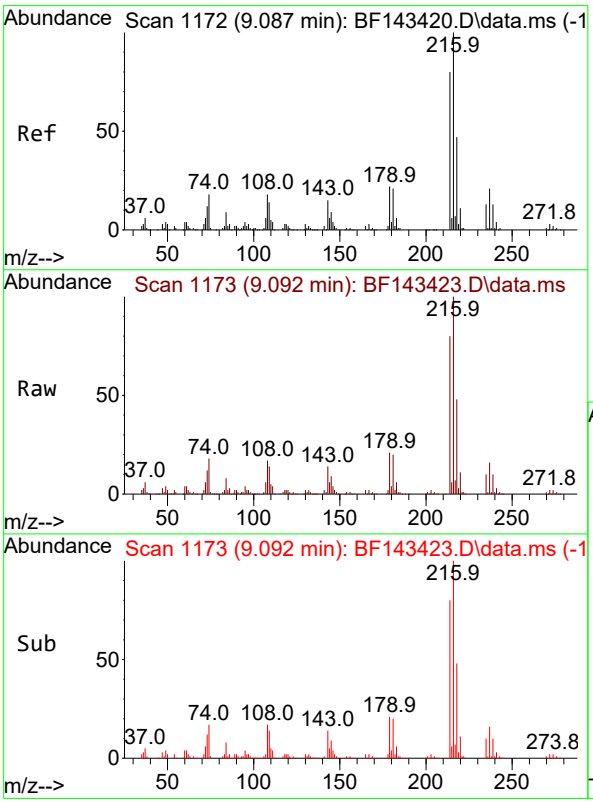
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:164 Resp: 263799

Ion	Ratio	Lower	Upper
164	100		
162	99.4	80.6	121.0
160	43.1	34.6	51.8

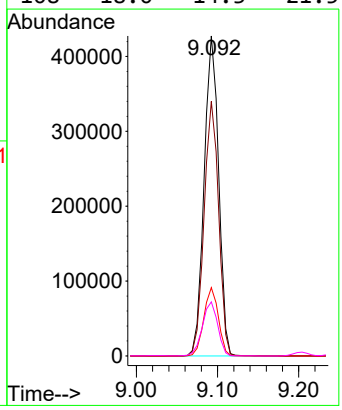


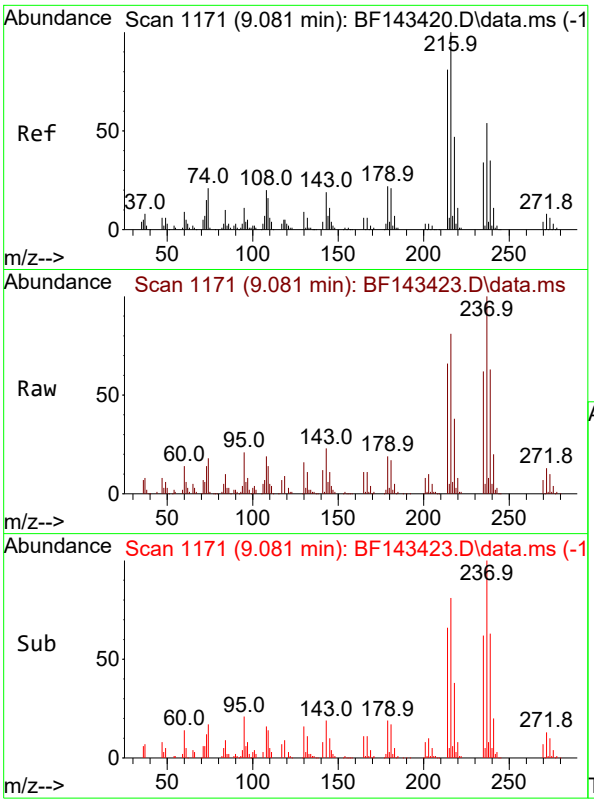


#40
1,2,4,5-Tetrachlorobenzene
Concen: 71.904 ng
RT: 9.092 min Scan# 1173
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:216 Resp: 528998

Ion	Ratio	Lower	Upper
216	100		
214	79.7	63.7	95.5
179	21.3	17.0	25.4
108	18.0	14.3	21.5



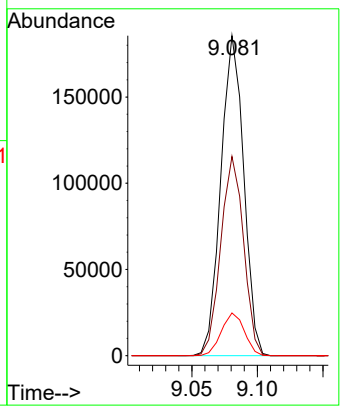


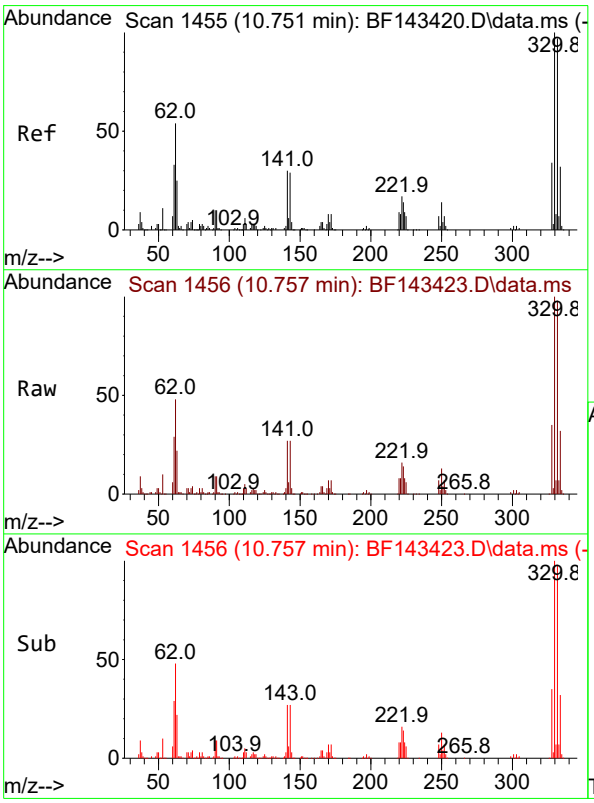
#41
Hexachlorocyclopentadiene
Concen: 83.474 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:237 Resp: 224806

Ion	Ratio	Lower	Upper
237	100		
235	62.2	41.6	81.6
272	13.4	0.0	33.8

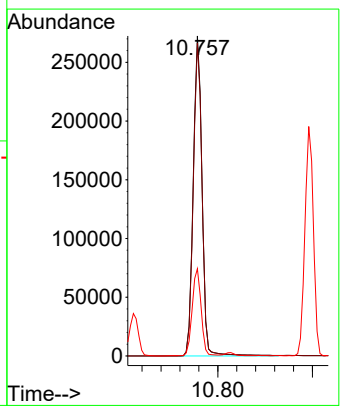


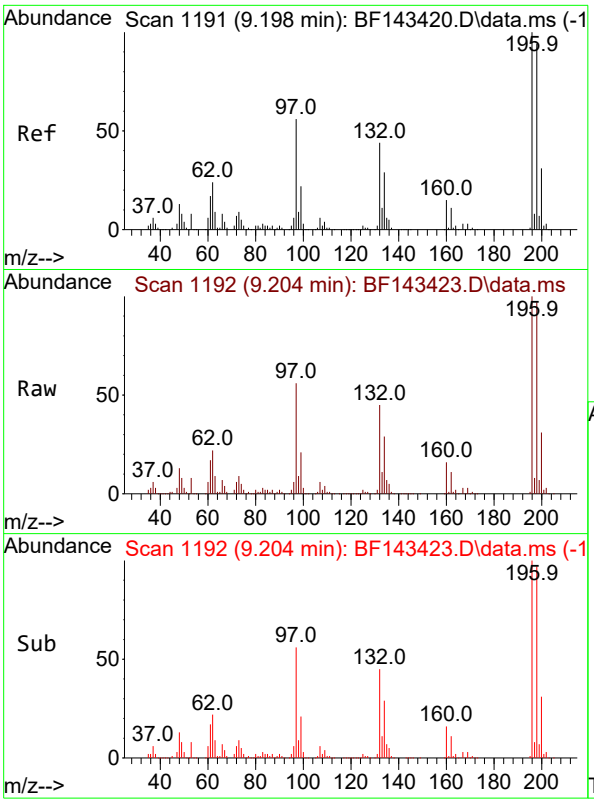


#42
2,4,6-Tribromophenol
Concen: 149.789 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:330 Resp: 351705

Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.4	116.2
141	27.9	24.1	36.1



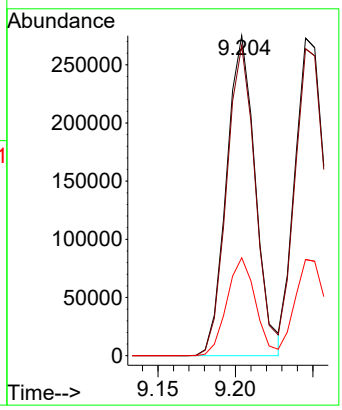


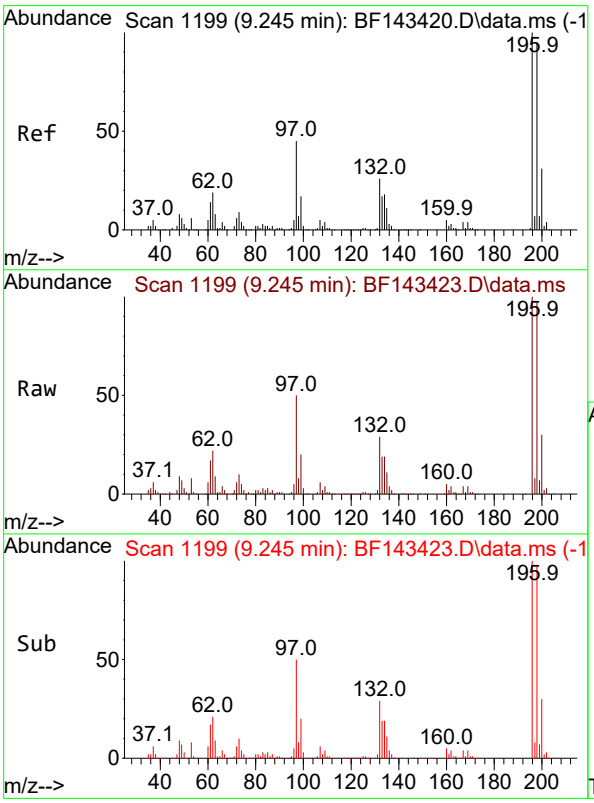
#43
2,4,6-Trichlorophenol
Concen: 77.637 ng
RT: 9.204 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 356299

Ion	Ratio	Lower	Upper
196	100		
198	96.9	75.4	113.2
200	30.6	24.7	37.1

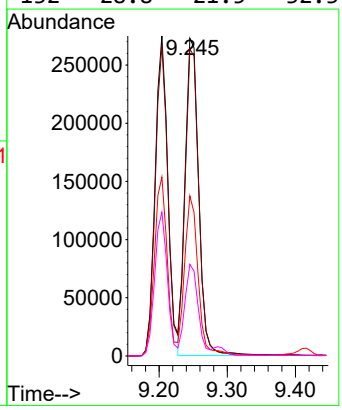


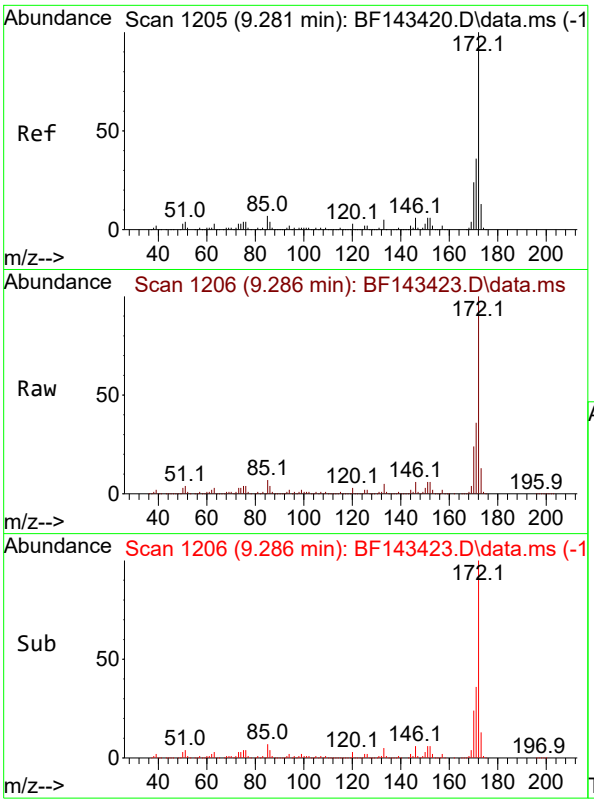


#44
2,4,5-Trichlorophenol
Concen: 76.189 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:196 Resp: 374807

Ion	Ratio	Lower	Upper
196	100		
198	96.6	76.2	114.4
97	50.4	36.6	55.0
132	28.8	21.5	32.3



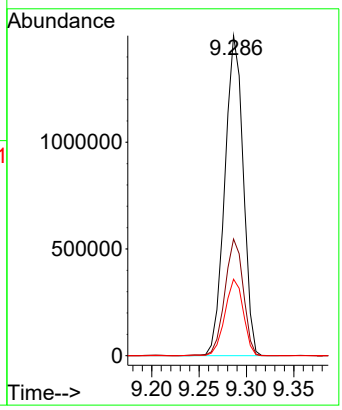


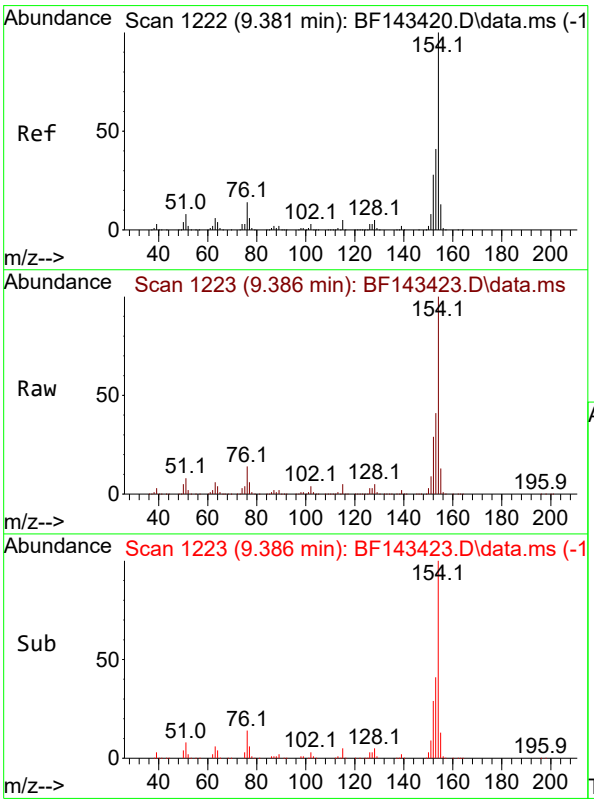
#45
2-Fluorobiphenyl
Concen: 129.225 ng
RT: 9.286 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:172 Resp: 2026738

Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.7	43.1
170	23.9	19.0	28.6

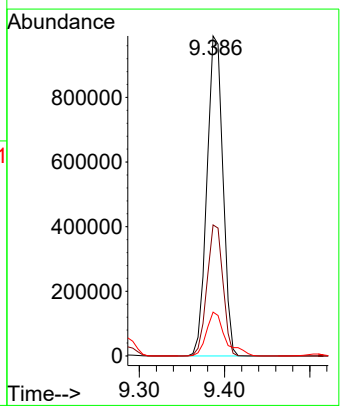


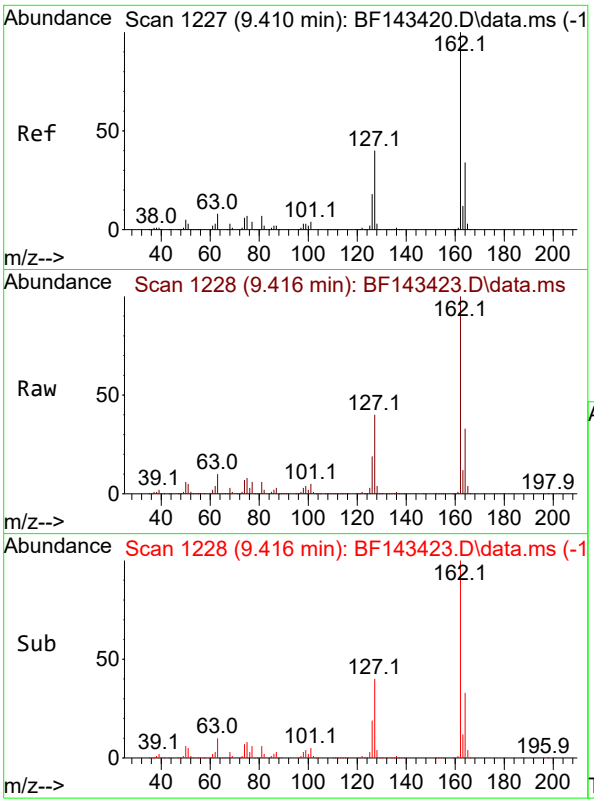


#46
1,1'-Biphenyl
Concen: 69.497 ng
RT: 9.386 min Scan# 1223
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:154 Resp: 1288126

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.6	60.6
76	13.7	0.0	33.8



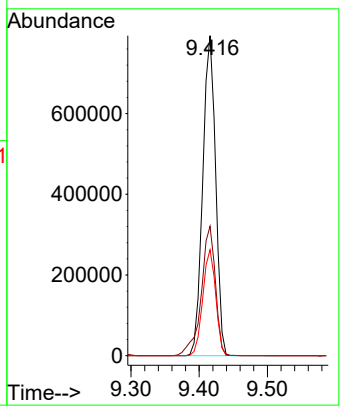


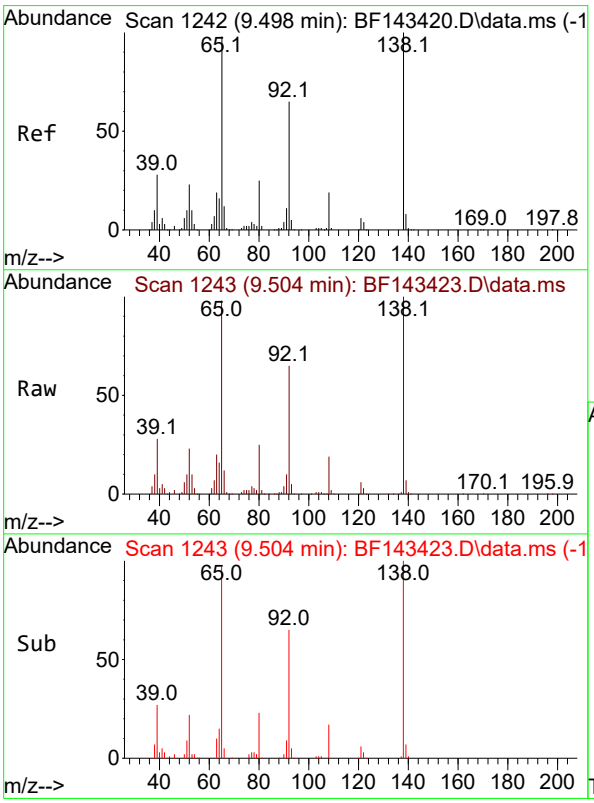
#47
2-Chloronaphthalene
Concen: 71.212 ng
RT: 9.416 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 1041882

Ion	Ratio	Lower	Upper
162	100		
127	40.5	32.3	48.5
164	33.1	26.9	40.3

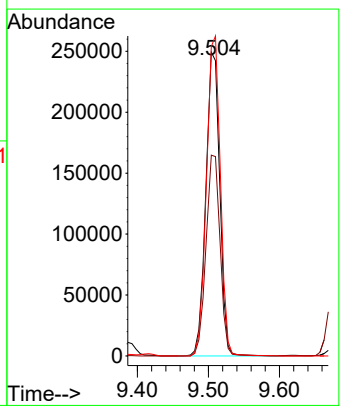


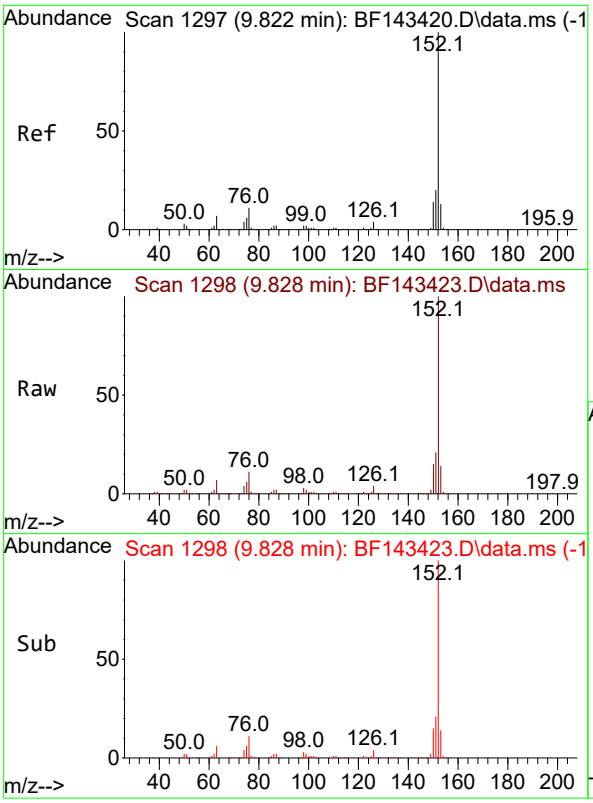


#48
2-Nitroaniline
Concen: 78.301 ng
RT: 9.504 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion: 65 Resp: 340918

Ion	Ratio	Lower	Upper
65	100		
92	66.1	52.9	79.3
138	101.8	81.3	121.9



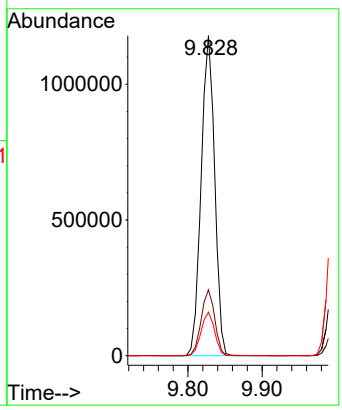


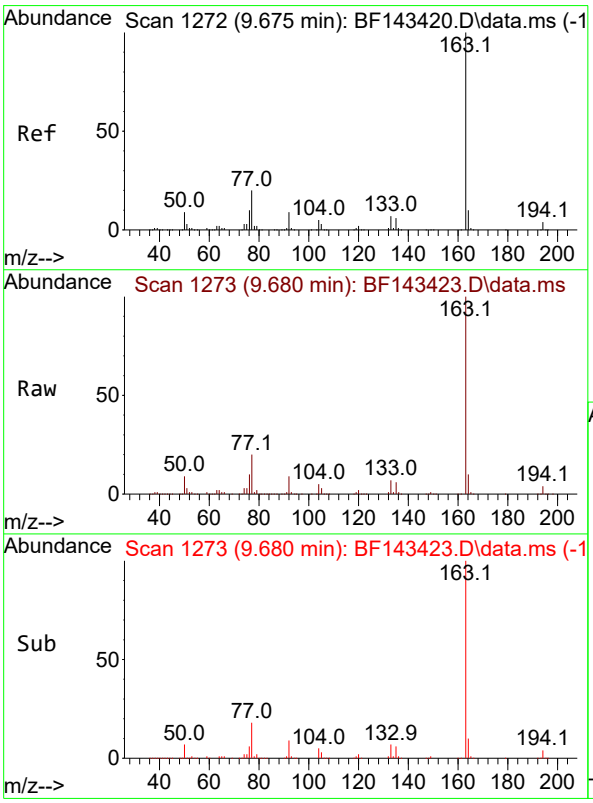
#49
Acenaphthylene
Concen: 70.690 ng
RT: 9.828 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 1493270

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.0	24.0
153	13.6	10.8	16.2

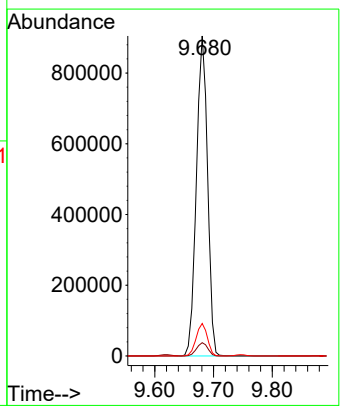


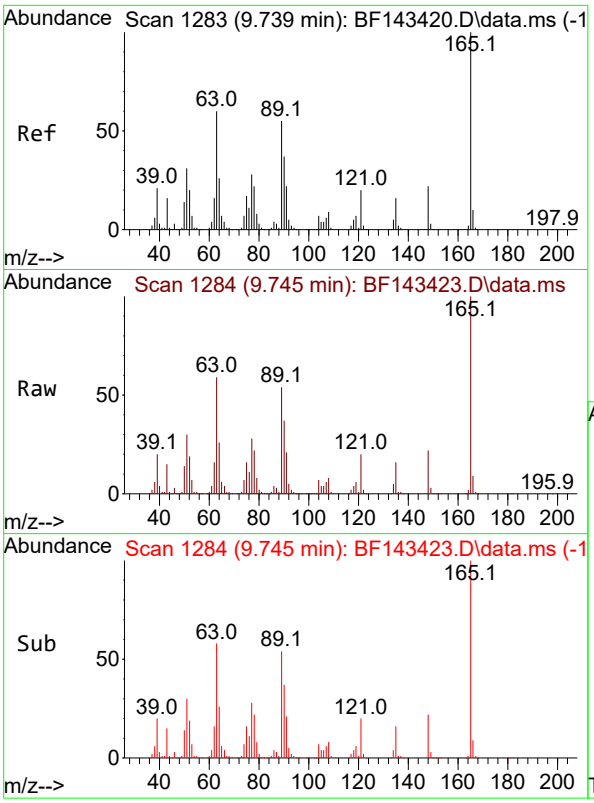


#50
Dimethylphthalate
Concen: 72.643 ng
RT: 9.680 min Scan# 1273
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:163 Resp: 1194741

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.2	8.2	12.4



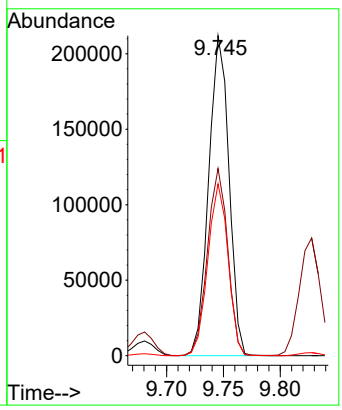


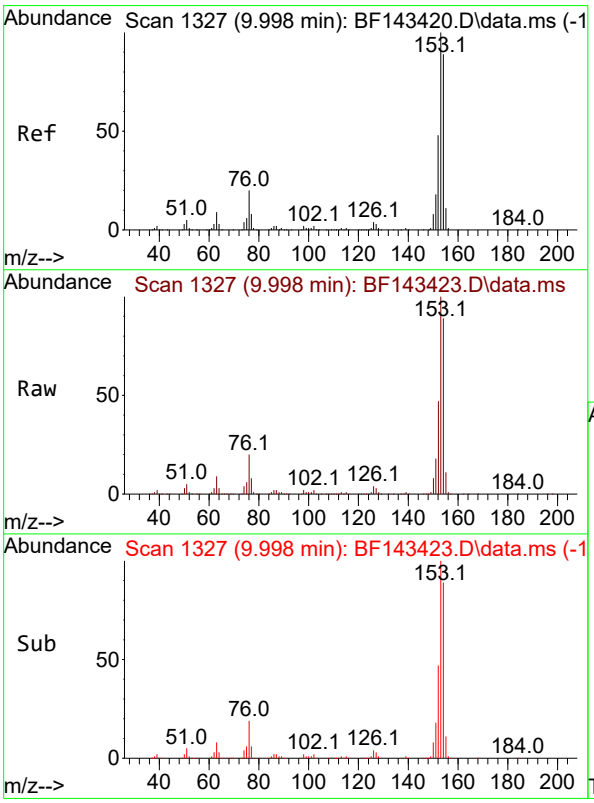
#51
2,6-Dinitrotoluene
Concen: 81.289 ng
RT: 9.745 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 263550

Ion	Ratio	Lower	Upper
165	100		
63	58.5	48.2	72.2
89	53.7	44.2	66.2

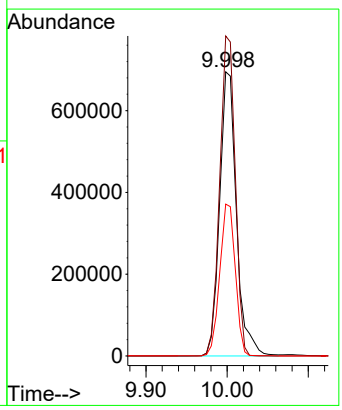


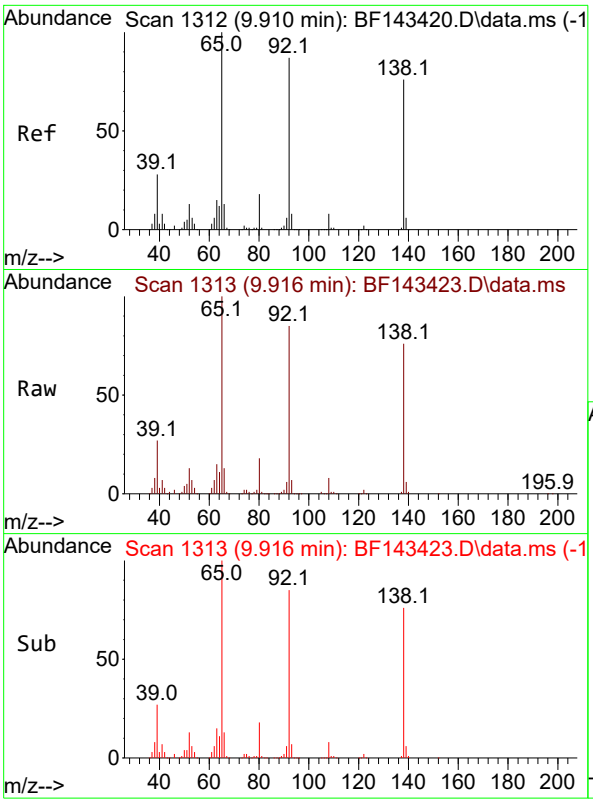


#52
Acenaphthene
Concen: 70.534 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:154 Resp: 1002131

Ion	Ratio	Lower	Upper
154	100		
153	112.6	89.5	134.3
152	53.5	42.6	64.0



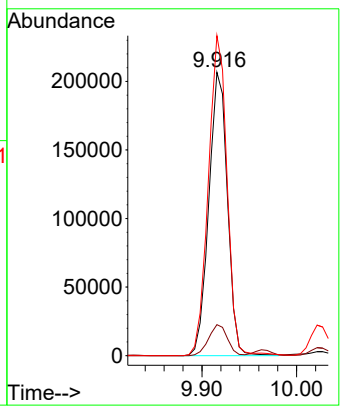


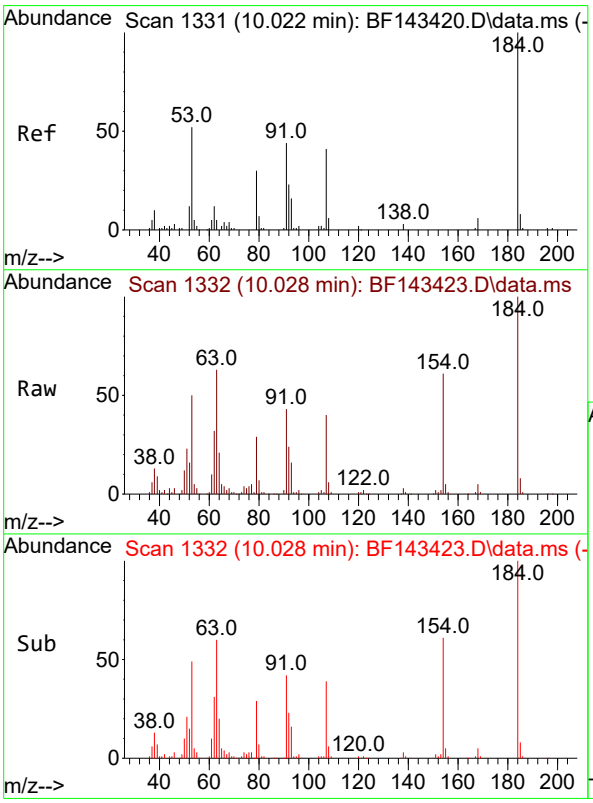
#53
3-Nitroaniline
Concen: 78.329 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 282887

Ion	Ratio	Lower	Upper
138	100		
108	11.0	8.7	13.1
92	112.9	91.4	137.2

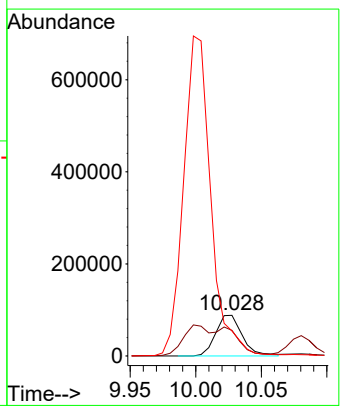


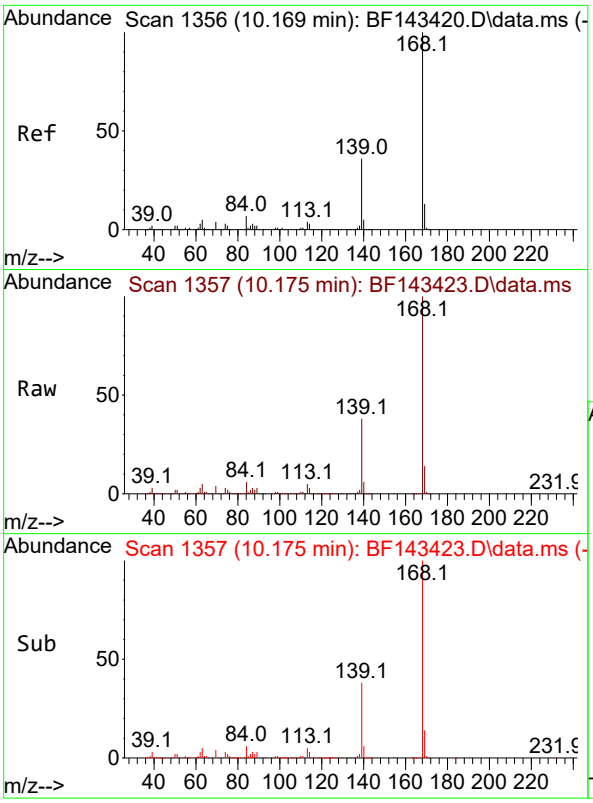


#54
2,4-Dinitrophenol
Concen: 82.478 ng
RT: 10.028 min Scan# 1332
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:184 Resp: 124607

Ion	Ratio	Lower	Upper
184	100		
63	63.0	53.2	79.8
154	61.5	51.3	76.9



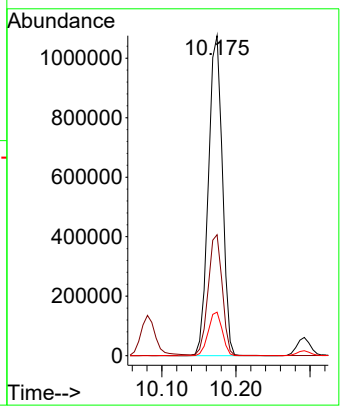


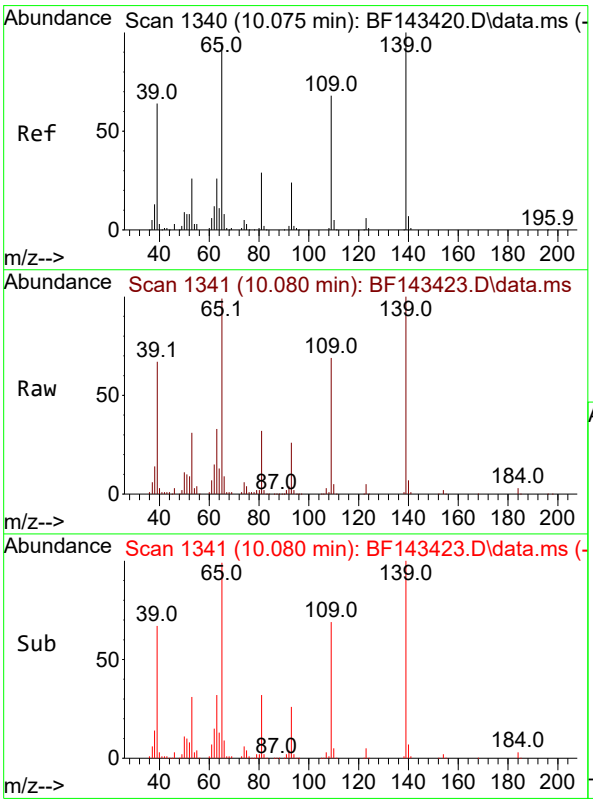
#55
Dibenzofuran
Concen: 68.607 ng
RT: 10.175 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:168 Resp: 1406148

Ion	Ratio	Lower	Upper
168	100		
139	37.8	29.3	43.9
169	13.6	10.8	16.2

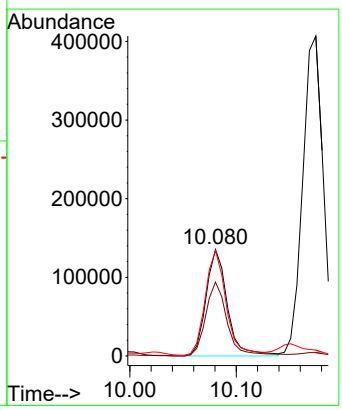


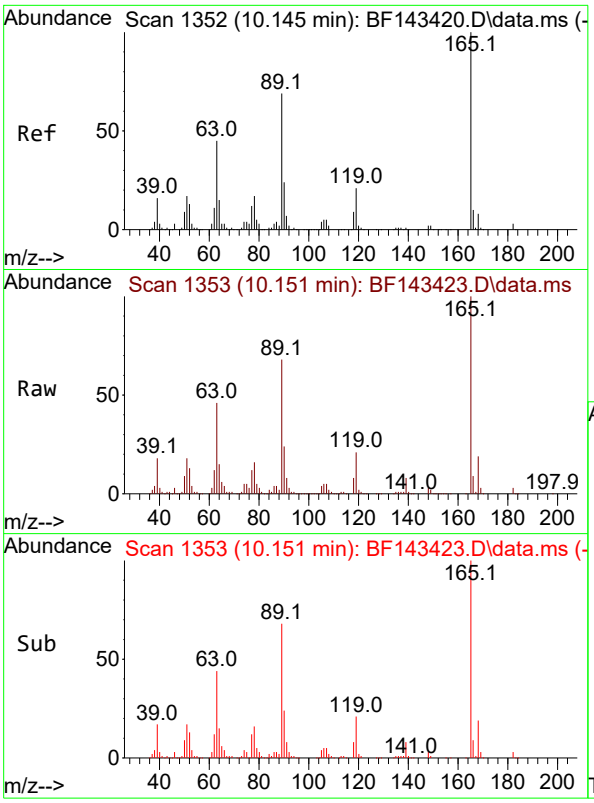


#56
4-Nitrophenol
Concen: 83.148 ng
RT: 10.080 min Scan# 1341
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:139 Resp: 188791

Ion	Ratio	Lower	Upper
139	100		
109	69.4	47.7	87.7
65	98.7	76.4	116.4



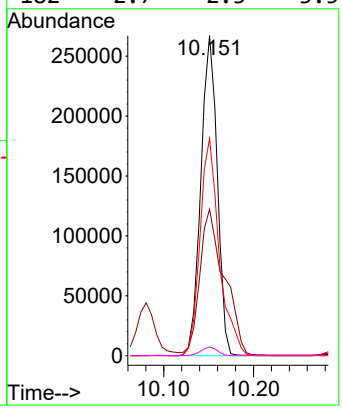


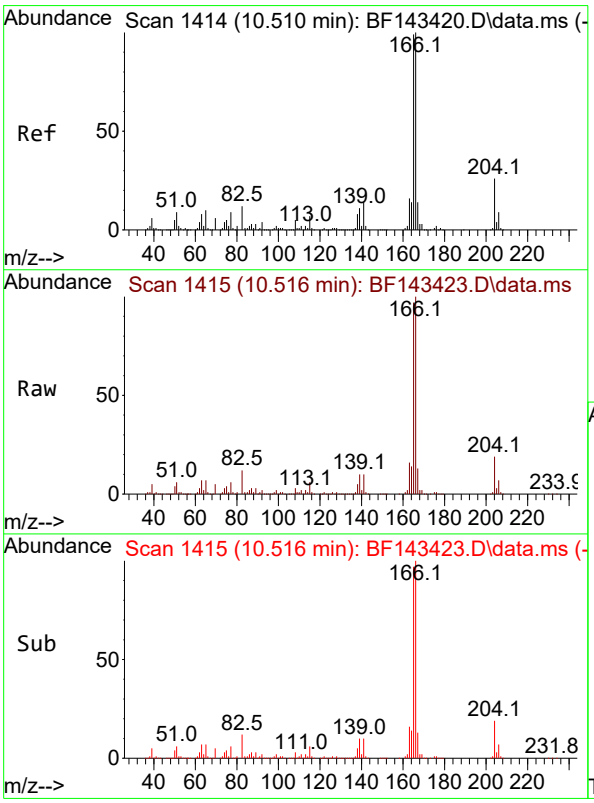
#57
2,4-Dinitrotoluene
Concen: 78.525 ng
RT: 10.151 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 339430

Ion	Ratio	Lower	Upper
165	100		
63	45.7	37.0	55.6
89	67.8	55.4	83.0
182	2.7	2.3	3.5

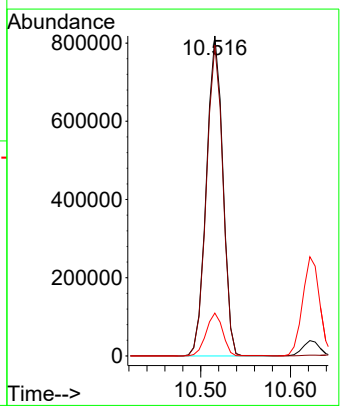


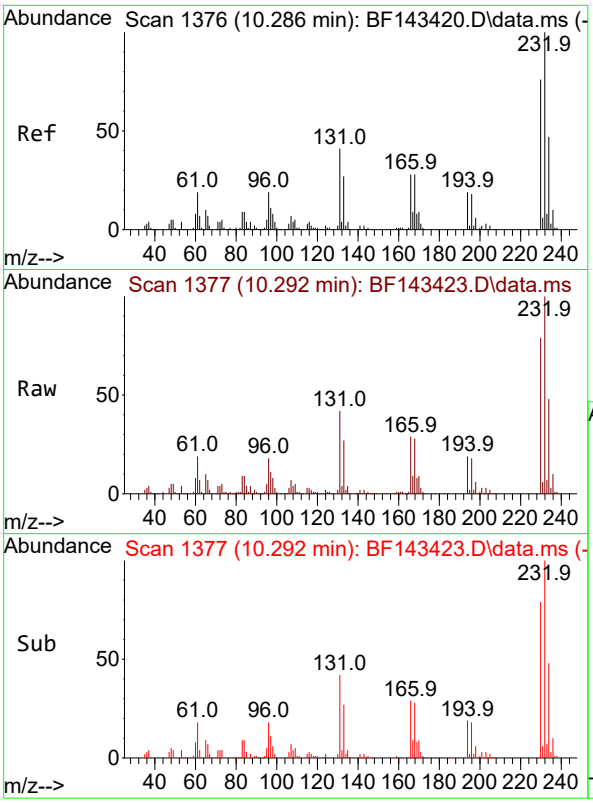


#58
Fluorene
Concen: 66.173 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:166 Resp: 1041922

Ion	Ratio	Lower	Upper
166	100		
165	97.1	79.0	118.6
167	13.4	10.9	16.3



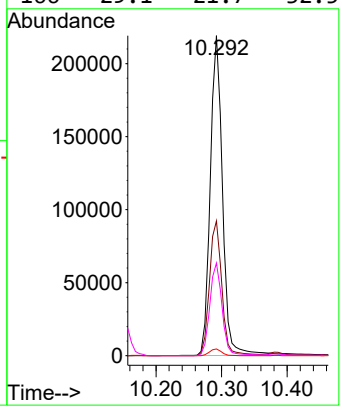


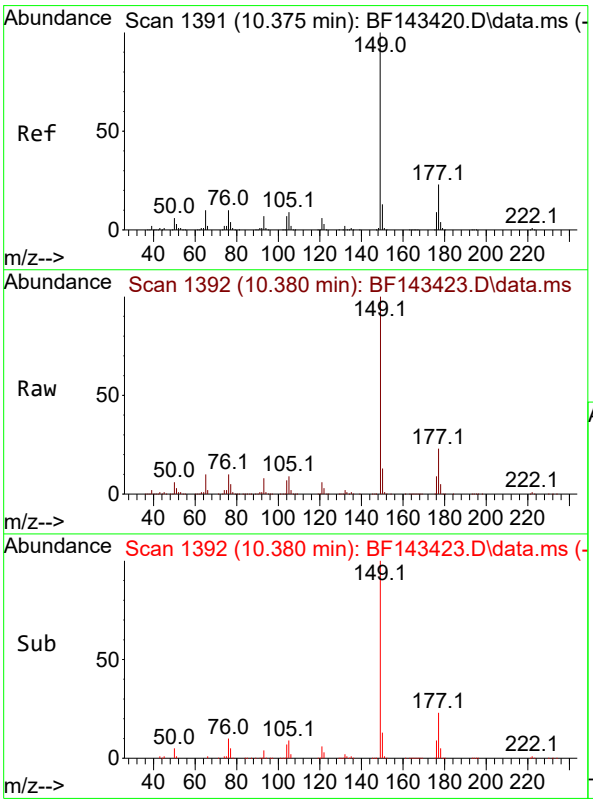
#59
2,3,4,6-Tetrachlorophenol
Concen: 76.562 ng
RT: 10.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:232 Resp: 285106

Ion	Ratio	Lower	Upper
232	100		
131	42.5	32.0	48.0
130	2.1	1.7	2.5
166	29.1	21.7	32.5

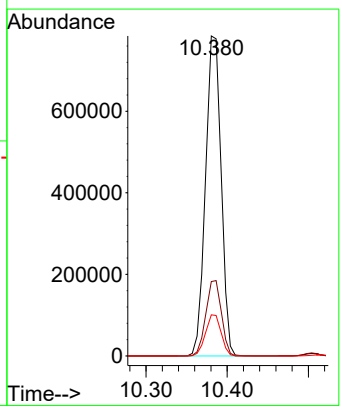


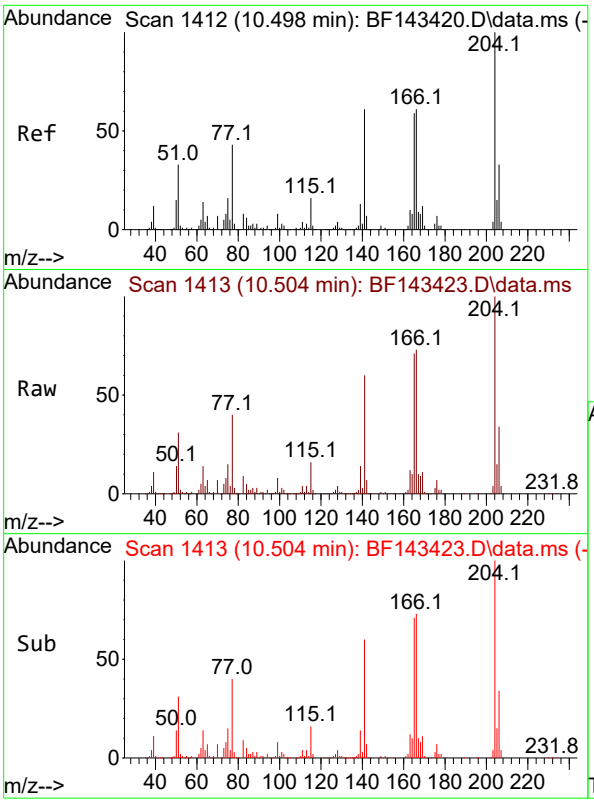


#60
Diethylphthalate
Concen: 68.997 ng
RT: 10.380 min Scan# 1392
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:149 Resp: 1048638

Ion	Ratio	Lower	Upper
149	100		
177	23.3	18.2	27.4
150	12.8	10.1	15.1



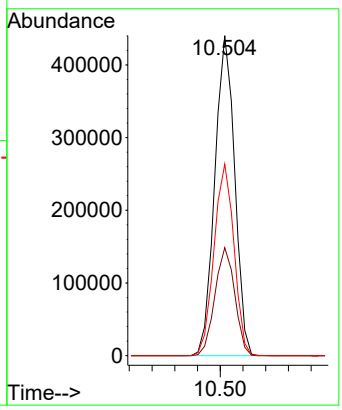


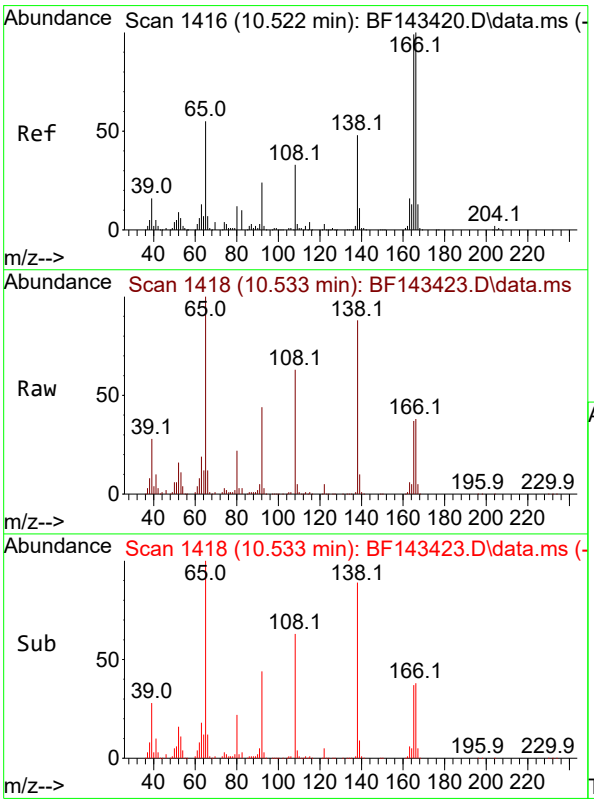
#61
4-Chlorophenyl-phenylether
Concen: 68.893 ng
RT: 10.504 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 536308

Ion	Ratio	Lower	Upper
204	100		
206	33.8	26.5	39.7
141	59.9	49.0	73.4

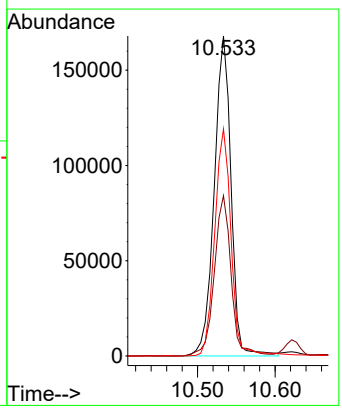


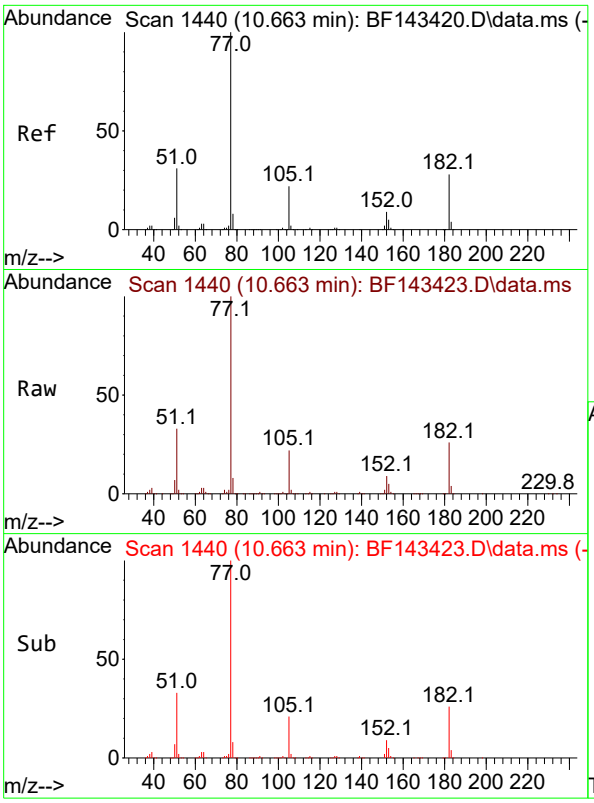


#62
4-Nitroaniline
Concen: 74.911 ng
RT: 10.533 min Scan# 1418
Delta R.T. 0.012 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:138 Resp: 253013

Ion	Ratio	Lower	Upper
138	100		
92	50.1	29.4	69.4
108	70.9	48.6	88.6



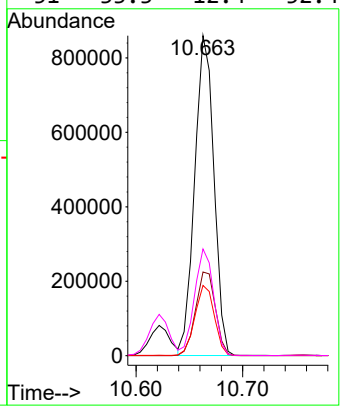


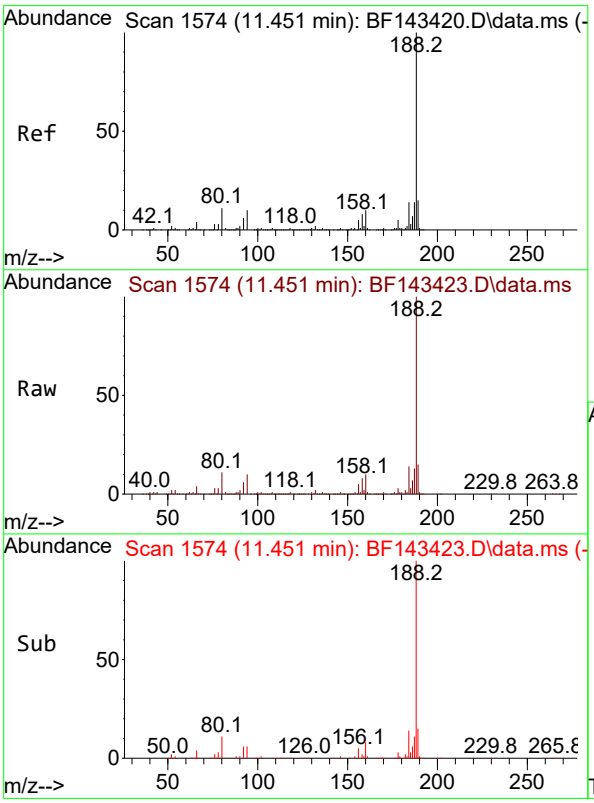
#63
Azobenzene
Concen: 70.306 ng
RT: 10.663 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 1079950

Ion	Ratio	Lower	Upper
77	100		
182	26.1	7.4	47.4
105	22.0	1.7	41.7
51	33.3	12.4	52.4

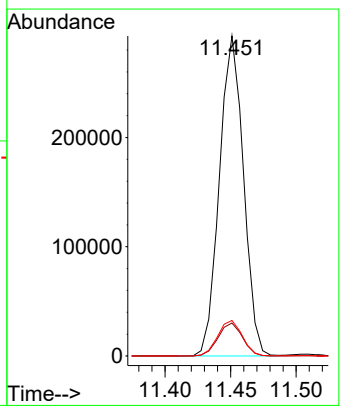


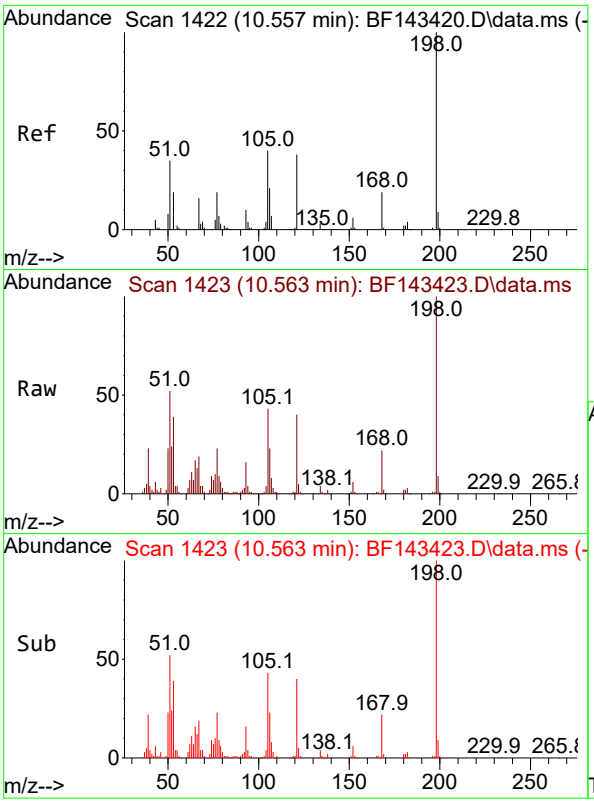


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:188 Resp: 374109

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.0	12.0
80	11.1	8.6	12.8



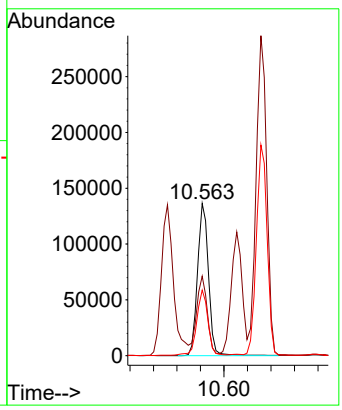


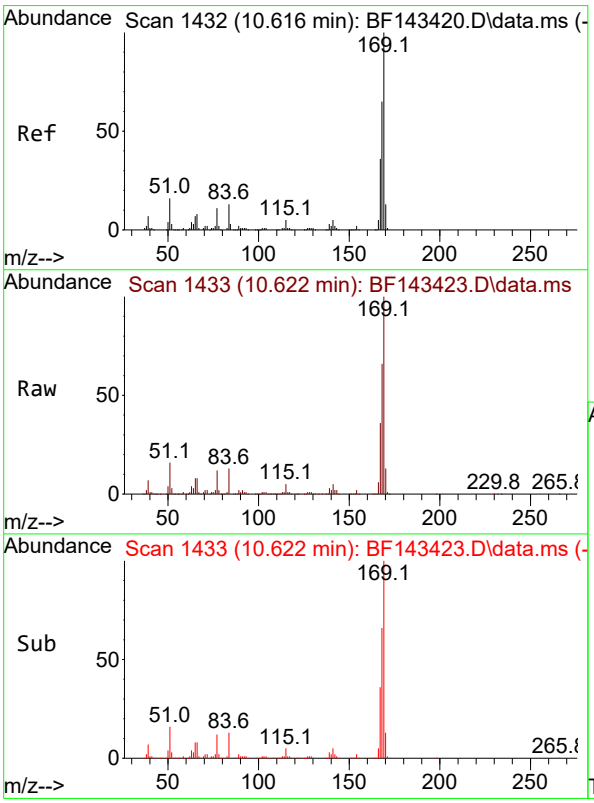
#65
4,6-Dinitro-2-methylphenol
Concen: 91.491 ng
RT: 10.563 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:198 Resp: 176602

Ion	Ratio	Lower	Upper
198	100		
51	52.2	31.2	71.2
105	43.1	21.7	61.7

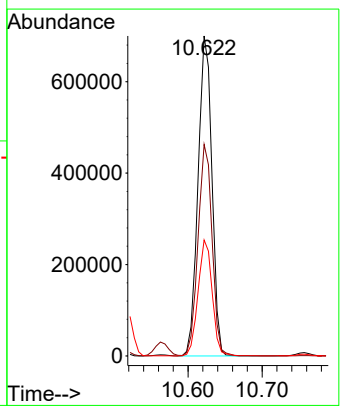


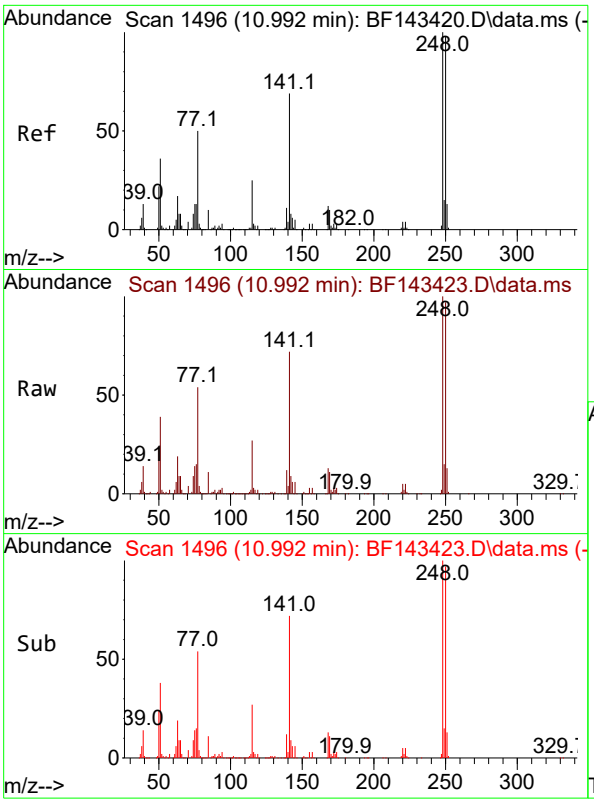


#66
n-Nitrosodiphenylamine
Concen: 74.898 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:169 Resp: 911081

Ion	Ratio	Lower	Upper
169	100		
168	66.1	52.5	78.7
167	36.2	28.6	42.8



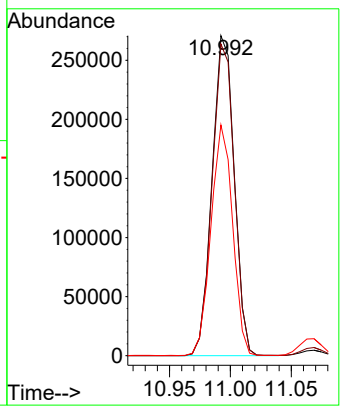


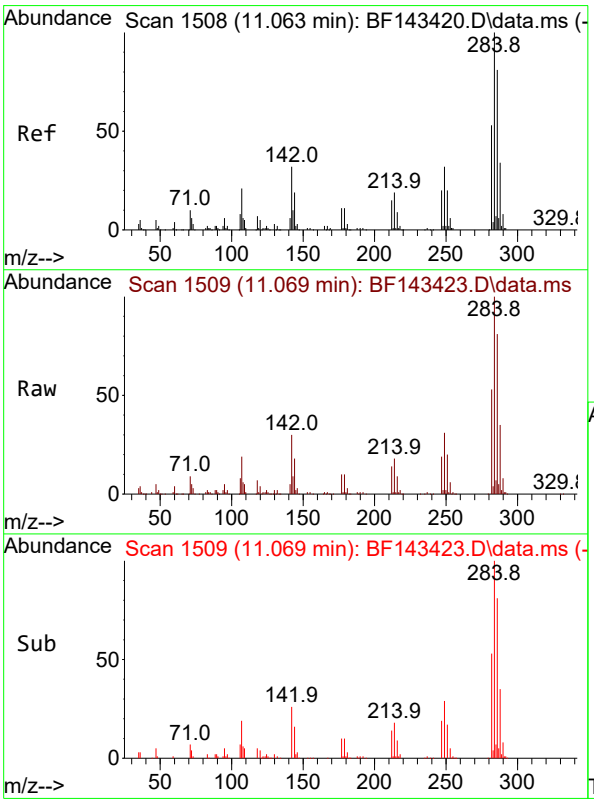
#67
4-Bromophenyl-phenylether
Concen: 77.781 ng
RT: 10.992 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:248 Resp: 343614

Ion	Ratio	Lower	Upper
248	100		
250	97.4	78.6	118.0
141	72.1	54.9	82.3

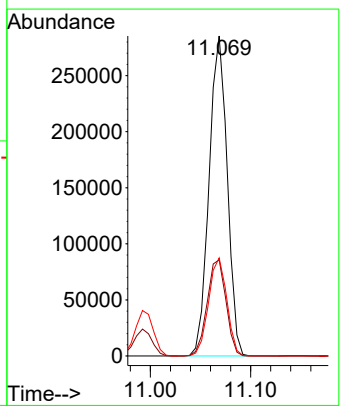


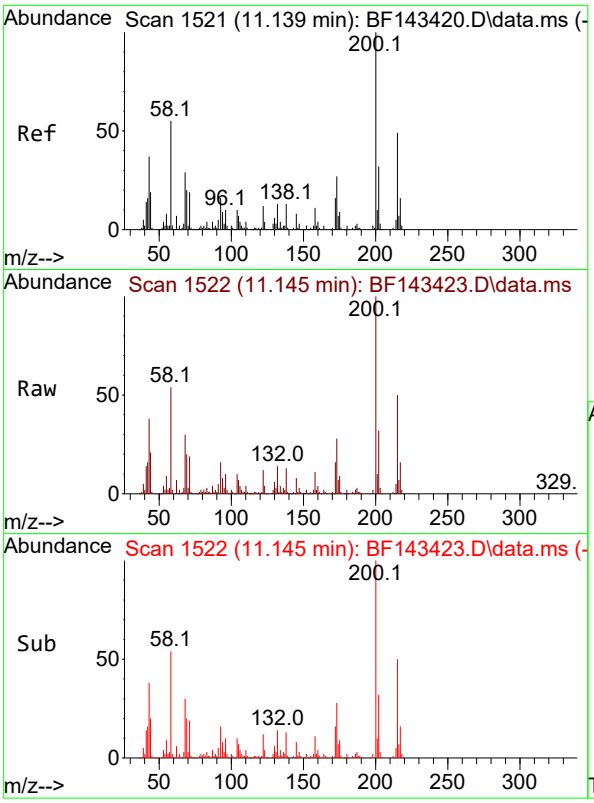


#68
Hexachlorobenzene
Concen: 76.486 ng
RT: 11.069 min Scan# 1509
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:284 Resp: 359214

Ion	Ratio	Lower	Upper
284	100		
142	30.0	25.4	38.2
249	30.7	25.4	38.0



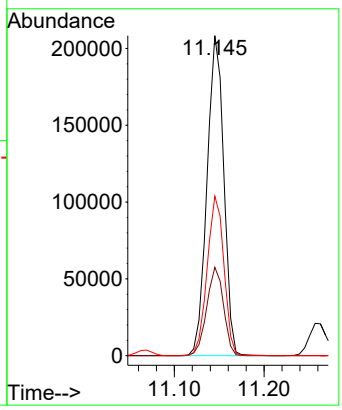


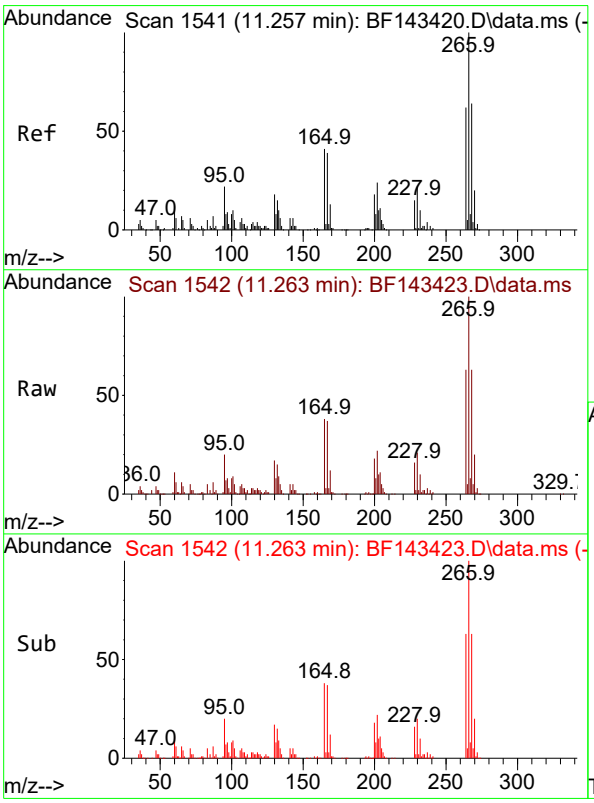
#69
Atrazine
Concen: 76.013 ng
RT: 11.145 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:200 Resp: 270449

Ion	Ratio	Lower	Upper
200	100		
173	27.6	6.6	46.6
215	49.8	29.5	69.5

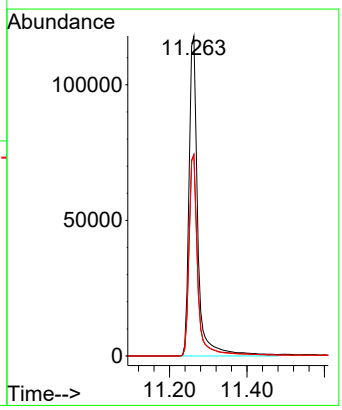


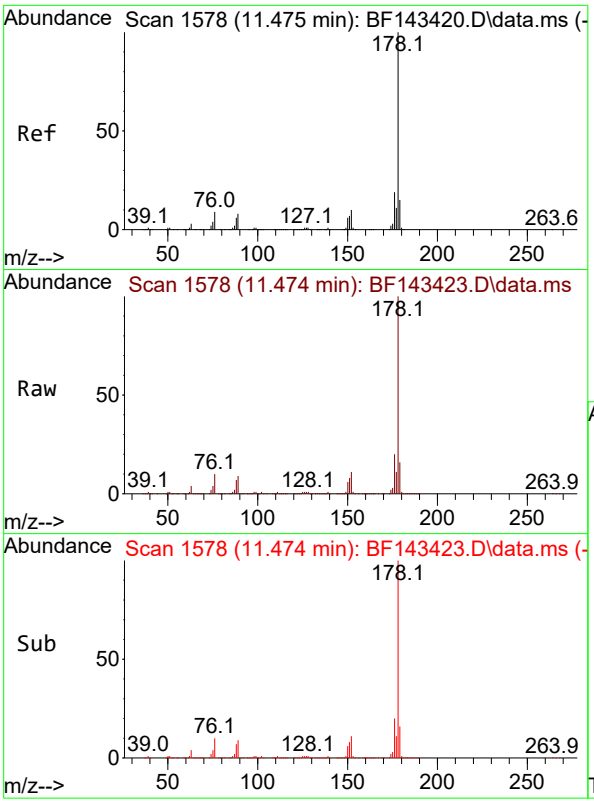


#70
Pentachlorophenol
Concen: 89.429 ng
RT: 11.263 min Scan# 1542
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:266 Resp: 186470

Ion	Ratio	Lower	Upper
266	100		
268	63.0	51.0	76.6
264	62.7	49.3	73.9



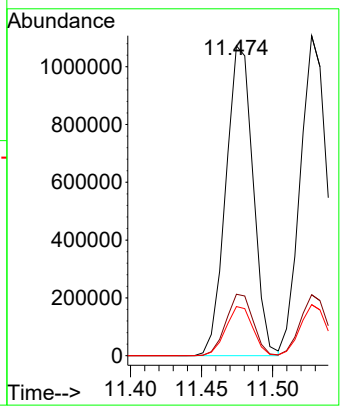


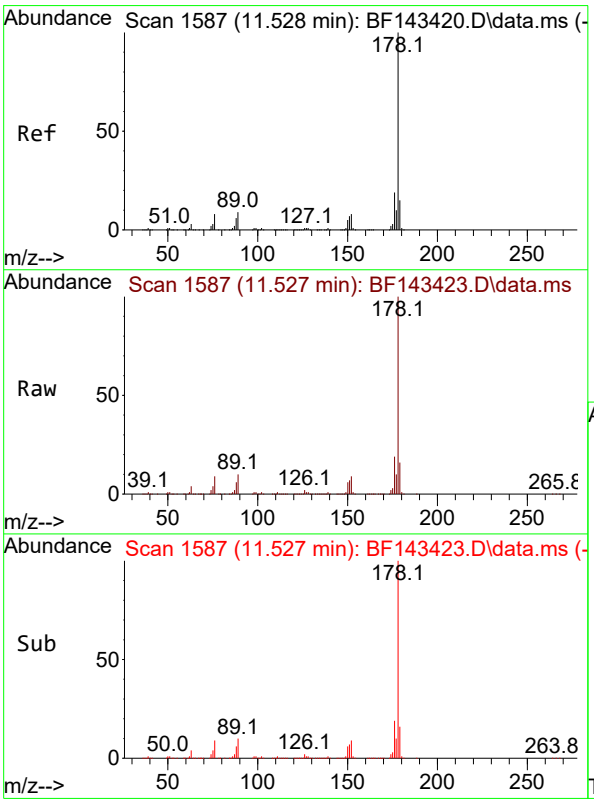
#71
Phenanthrene
Concen: 70.524 ng
RT: 11.474 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 1428719

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.4	23.0
179	15.8	12.3	18.5

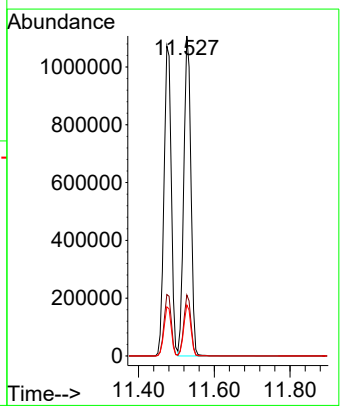


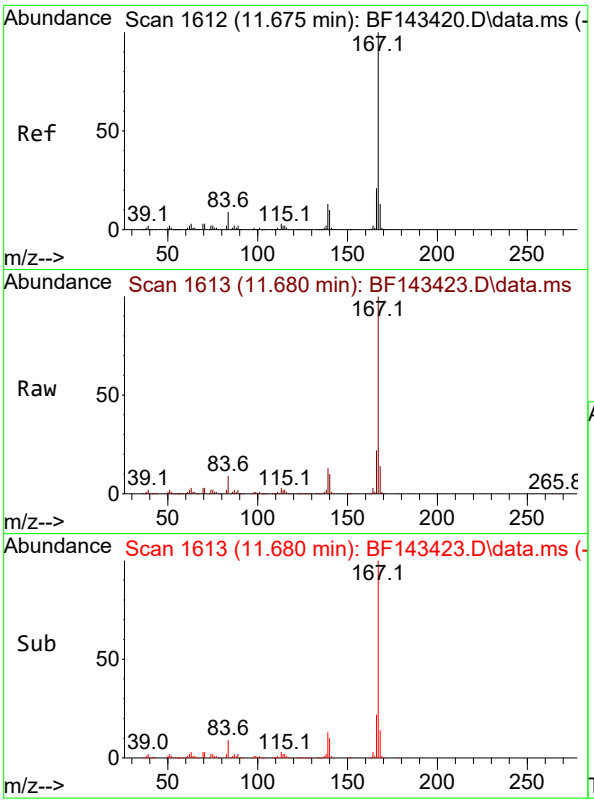


#72
Anthracene
Concen: 70.354 ng
RT: 11.527 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:178 Resp: 1439557

Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.8	22.2
179	16.0	12.2	18.4



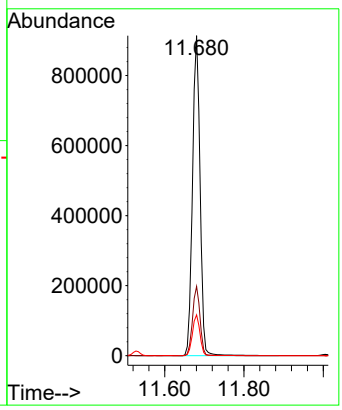


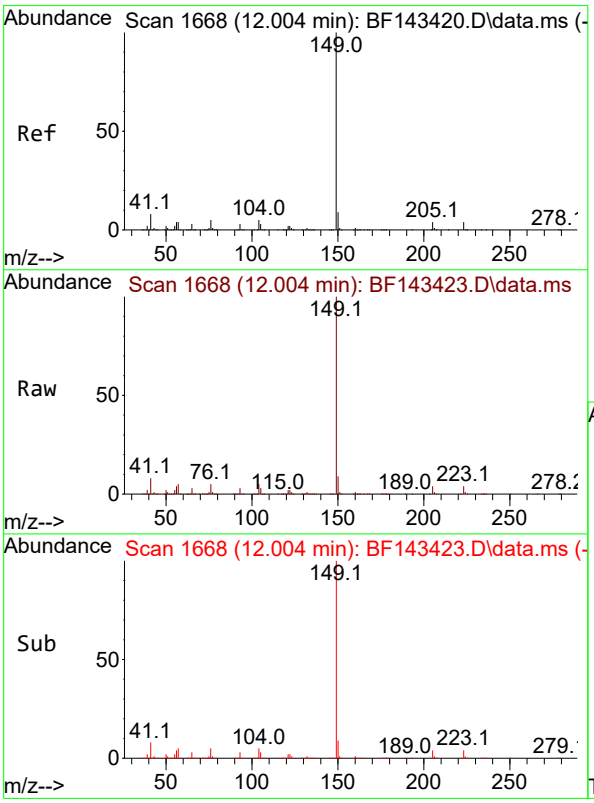
#73
Carbazole
Concen: 69.780 ng
RT: 11.680 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:167 Resp: 1207594

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.2	25.8
139	12.8	10.1	15.1

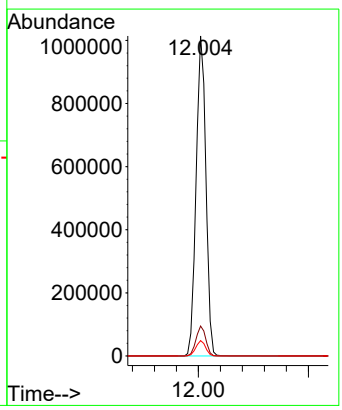


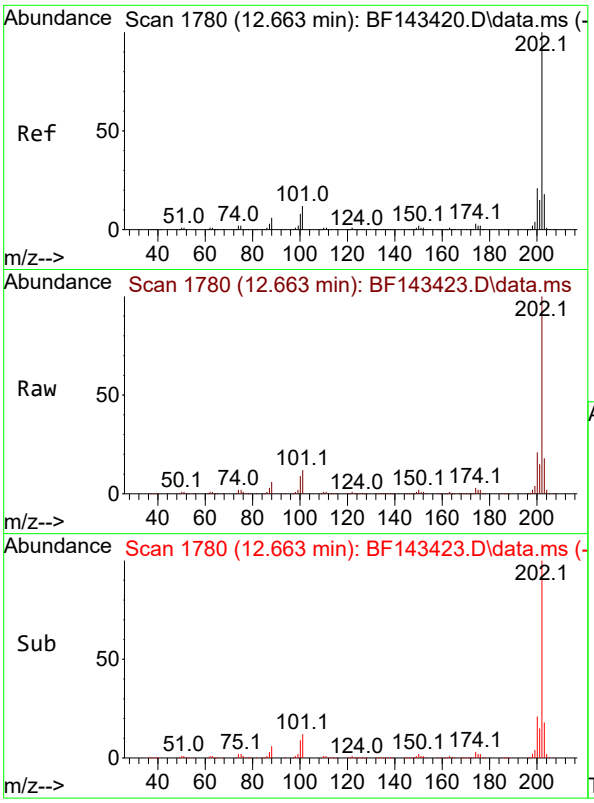


#74
Di-n-butylphthalate
Concen: 72.721 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:149 Resp: 1253224

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.3	10.9
104	4.8	3.8	5.6



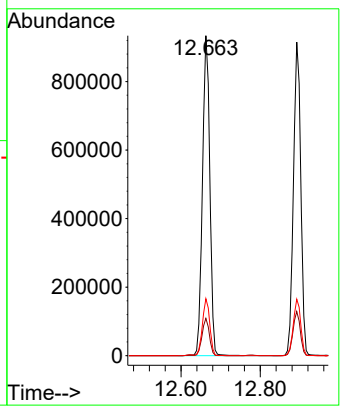


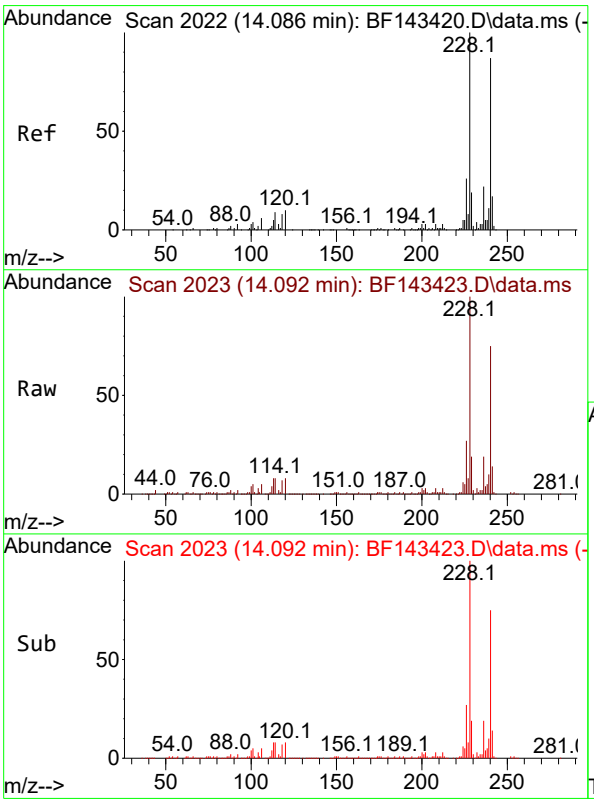
#75
Fluoranthene
Concen: 67.060 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 1207144

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.5
203	17.8	0.0	37.5

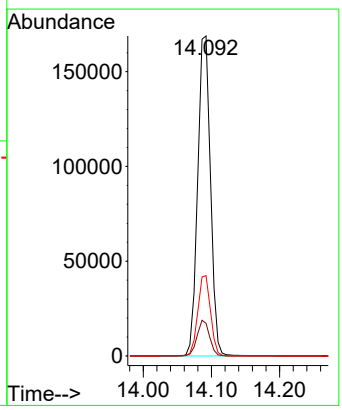


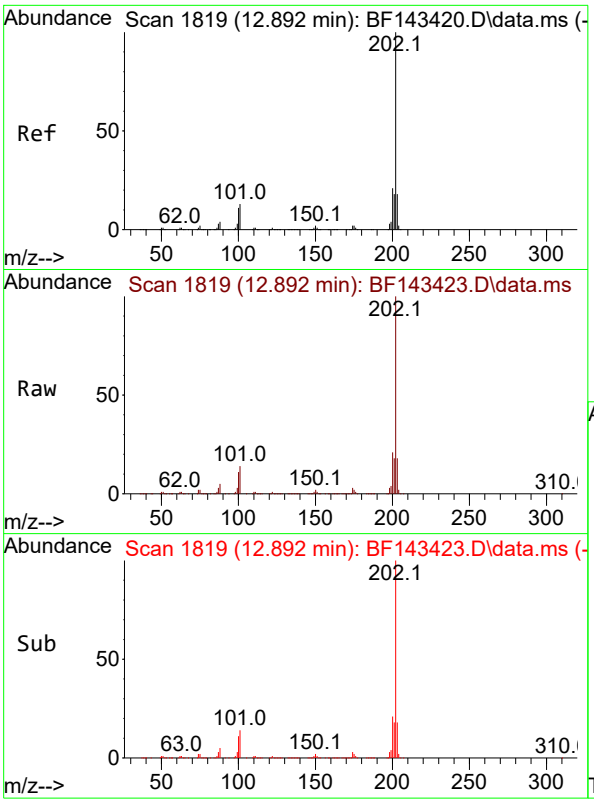


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:240 Resp: 220524

Ion	Ratio	Lower	Upper
240	100		
120	10.2	9.0	13.4
236	25.1	20.2	30.2



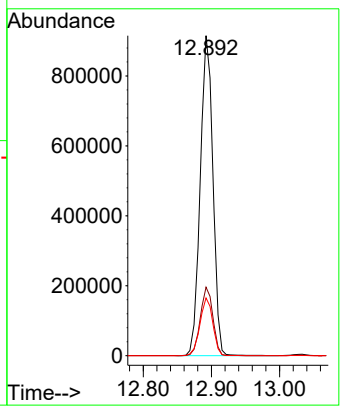


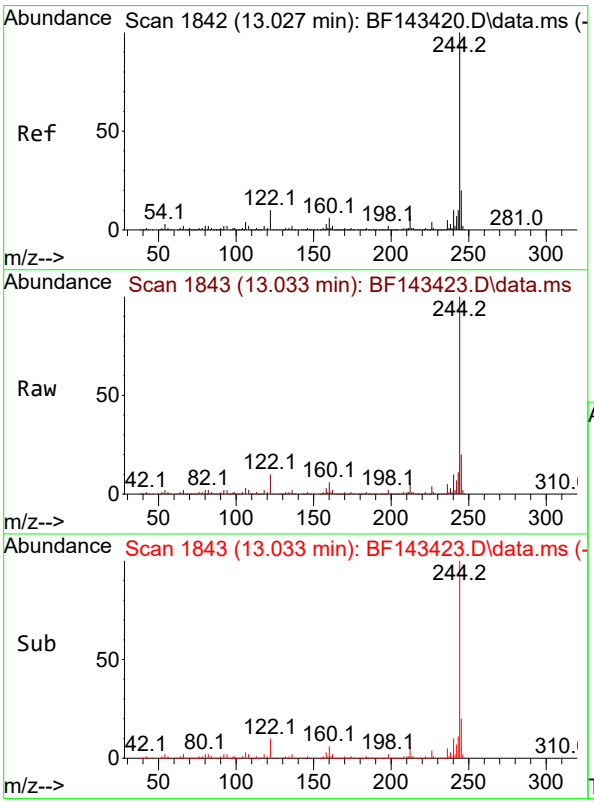
#78
Pyrene
Concen: 61.635 ng
RT: 12.892 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 1181381

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.1	25.7
203	18.0	14.2	21.2

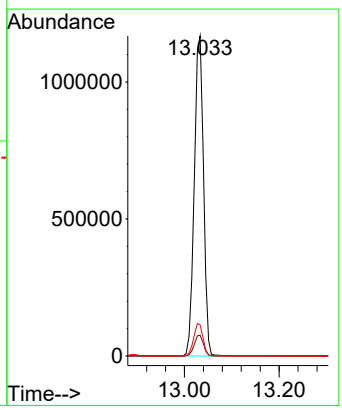


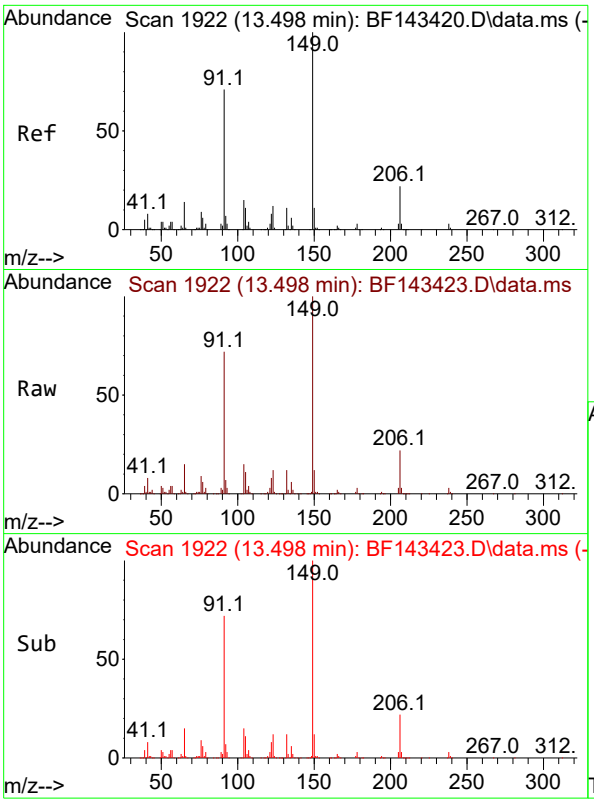


#79
Terphenyl-d14
Concen: 120.873 ng
RT: 13.033 min Scan# 1843
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:244 Resp: 1586760

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	9.7	8.3	12.5



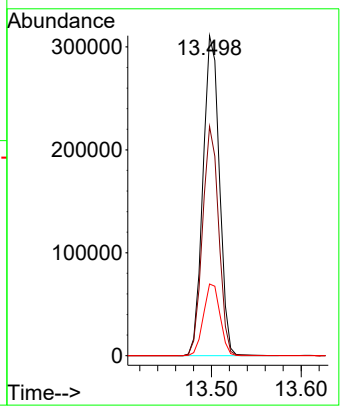


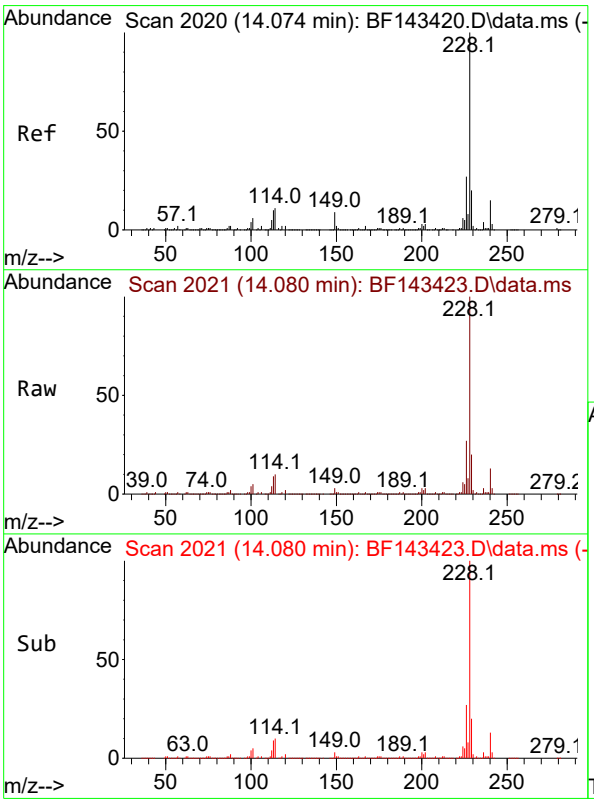
#80
Butylbenzylphthalate
Concen: 83.201 ng
RT: 13.498 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 394998

Ion	Ratio	Lower	Upper
149	100		
91	71.6	57.0	85.4
206	22.4	17.6	26.4

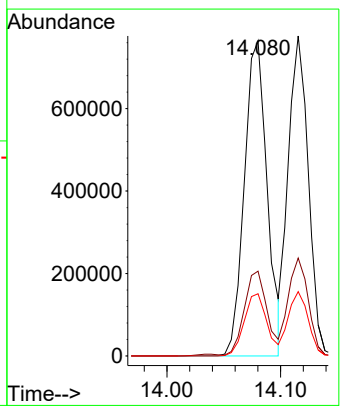


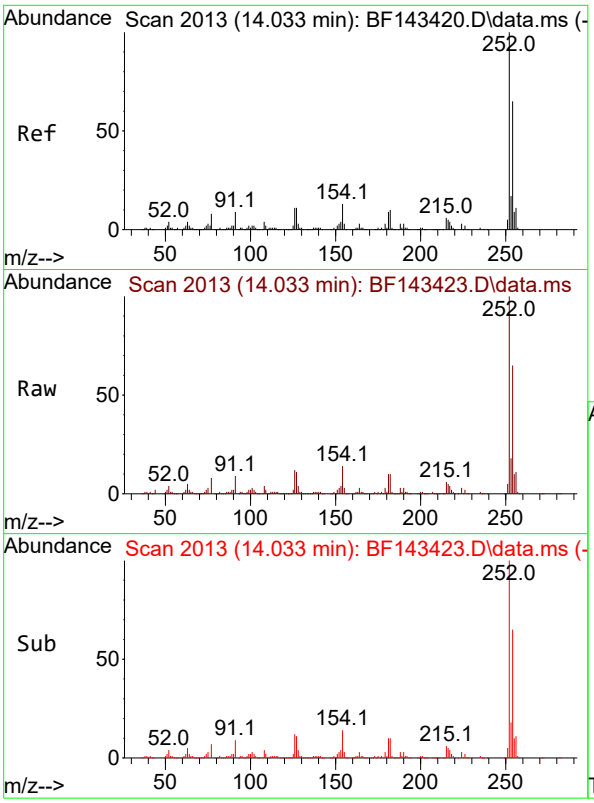


#81
Benzo(a)anthracene
Concen: 76.089 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:228 Resp: 1068277

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.5	32.3
229	19.7	15.7	23.5



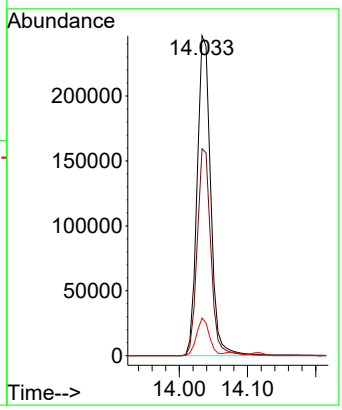


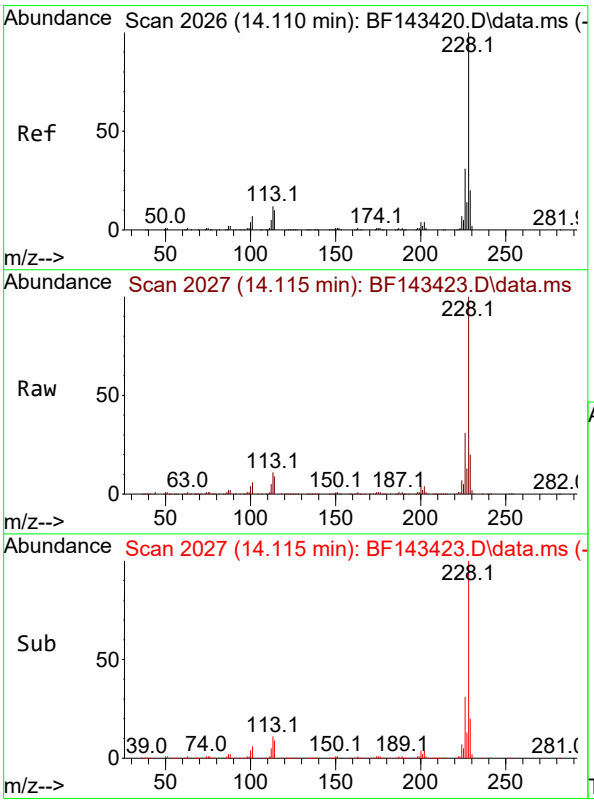
#82
3,3'-Dichlorobenzidine
Concen: 82.823 ng
RT: 14.033 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 340456

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.6	77.4
126	11.7	8.8	13.2

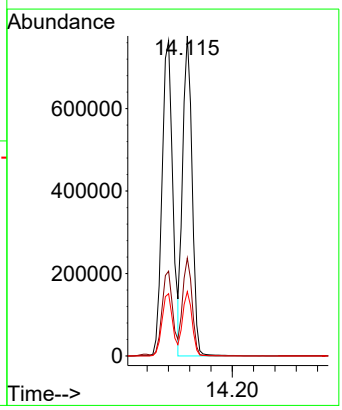


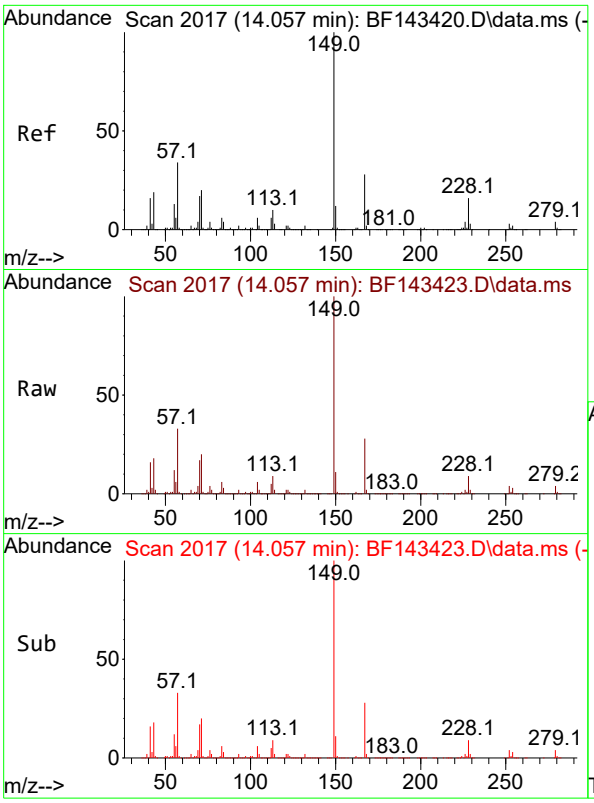


#83
Chrysene
Concen: 73.845 ng
RT: 14.115 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:228 Resp: 958475

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.3	36.5
229	20.1	16.1	24.1



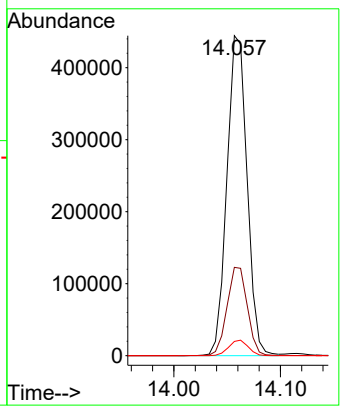


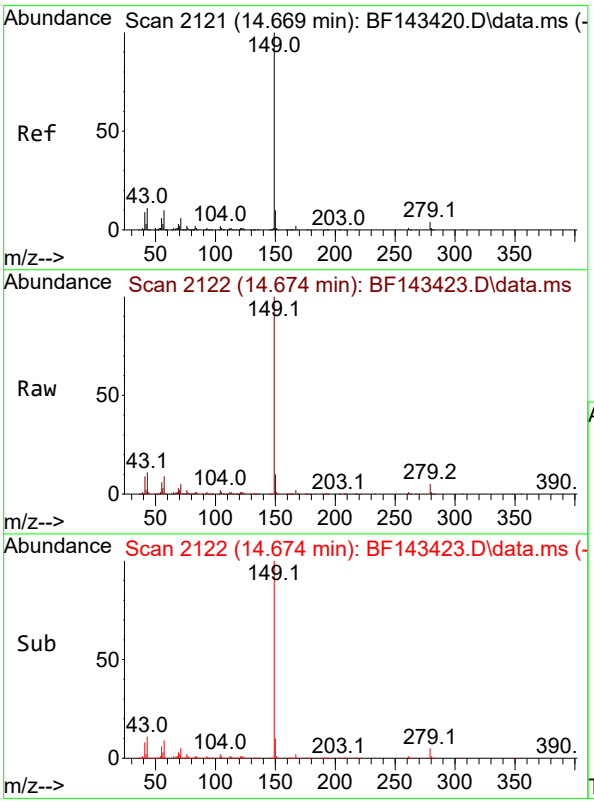
#84
Bis(2-ethylhexyl)phthalate
Concen: 86.658 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 584266

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.6	33.8
279	4.4	3.5	5.3

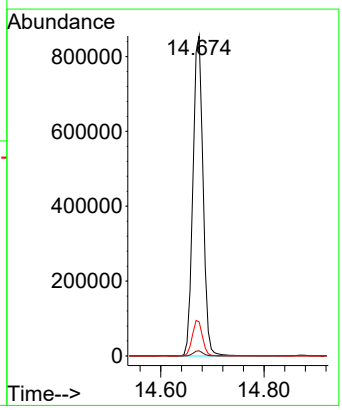


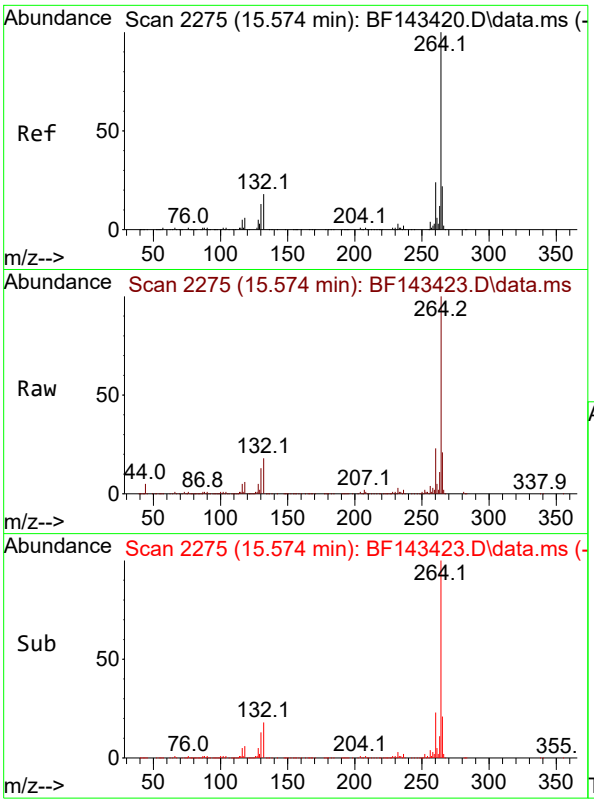


#85
Di-n-octyl phthalate
Concen: 84.996 ng
RT: 14.674 min Scan# 2122
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:149 Resp: 1162314

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.2	9.0	13.6



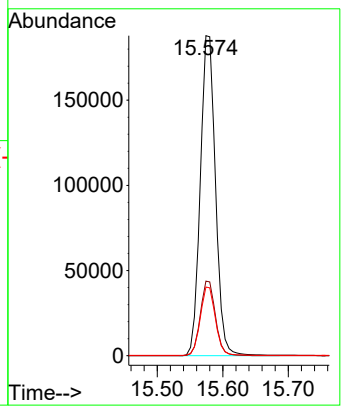


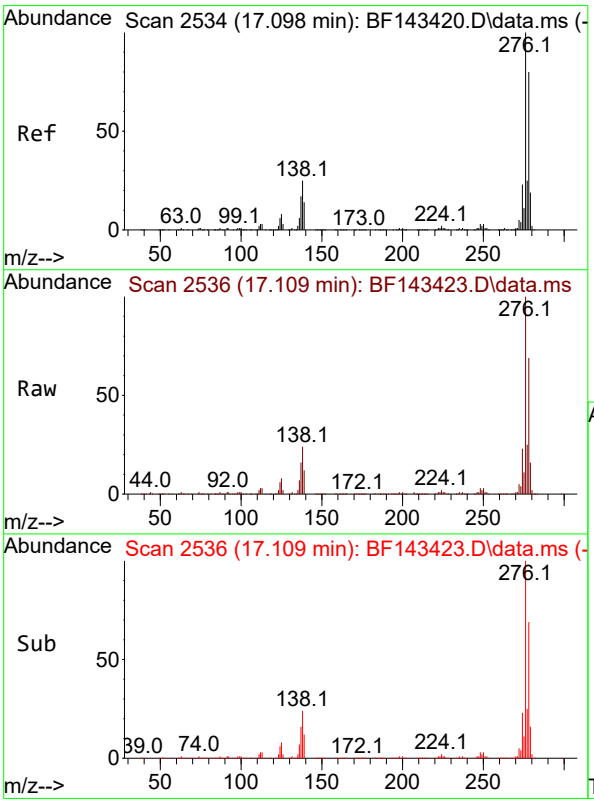
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:264 Resp: 303217

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.8	28.2
265	21.5	17.4	26.0

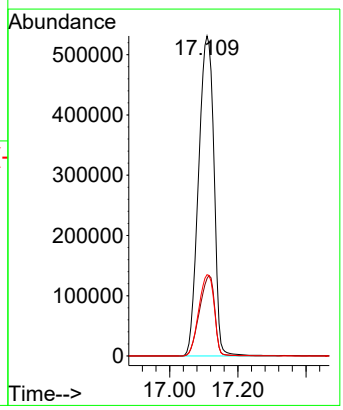


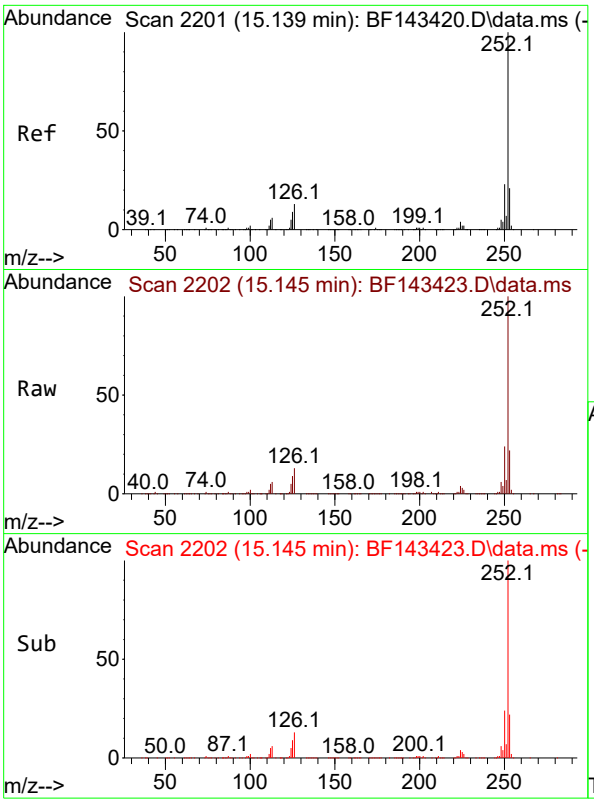


#87
Indeno(1,2,3-cd)pyrene
Concen: 73.282 ng
RT: 17.109 min Scan# 2536
Delta R.T. 0.012 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:276 Resp: 1666322

Ion	Ratio	Lower	Upper
276	100		
138	24.7	20.2	30.4
277	25.5	20.2	30.2



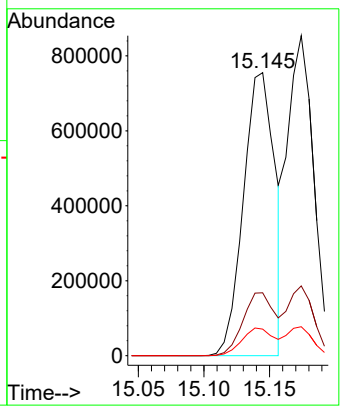


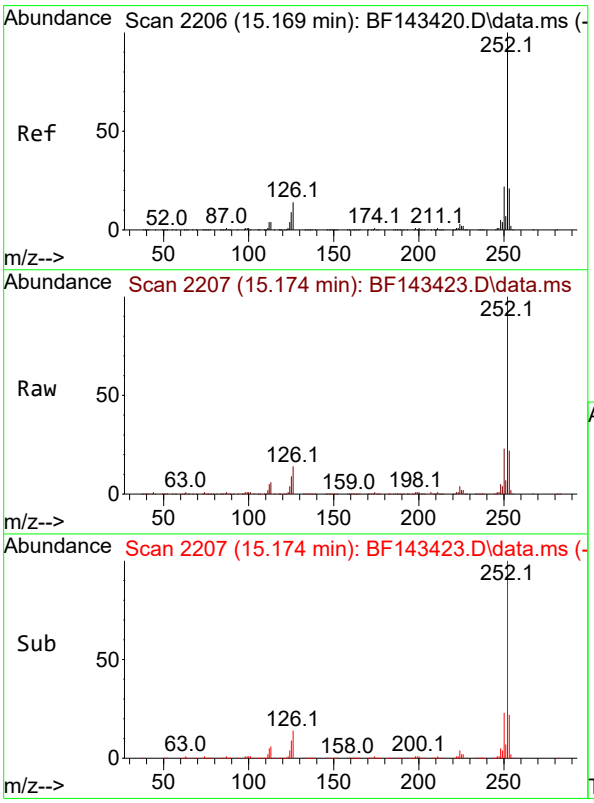
#88
Benzo(b)fluoranthene
Concen: 77.348 ng
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 1257001

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	9.4	7.5	11.3

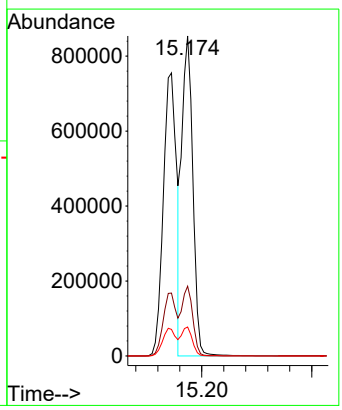


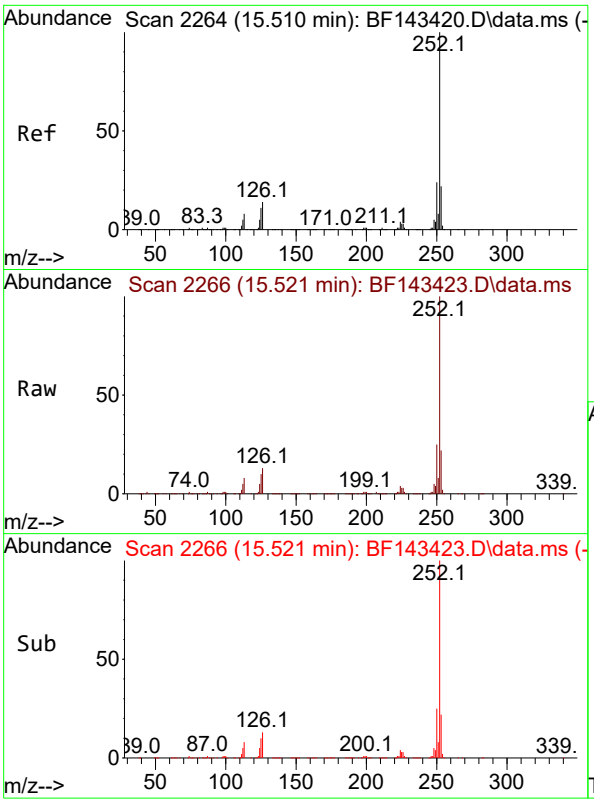


#89
Benzo(k)fluoranthene
Concen: 73.992 ng
RT: 15.174 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:252 Resp: 1186018

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	9.0	7.4	11.2



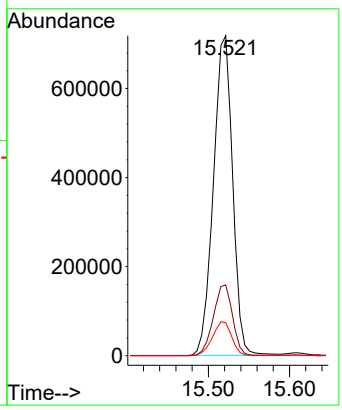


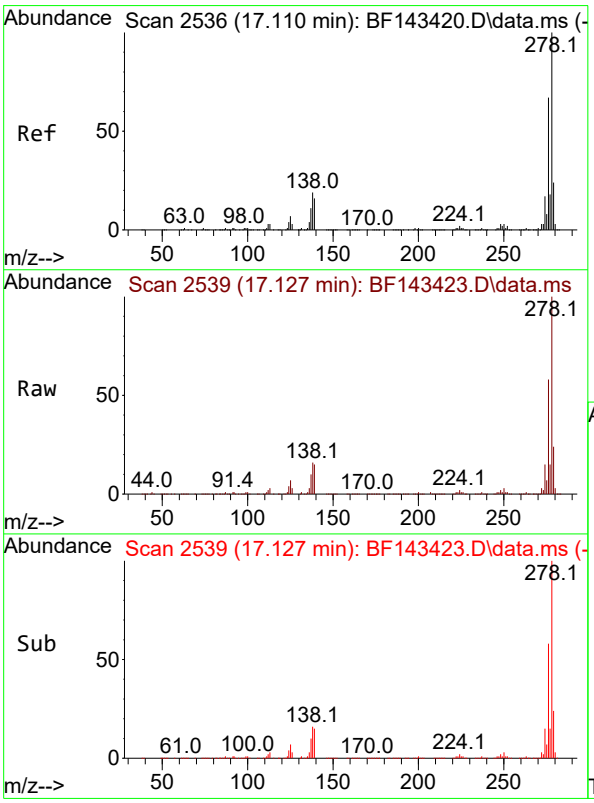
#90
Benzo(a)pyrene
Concen: 76.483 ng
RT: 15.521 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 1183837

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	10.3	8.6	12.8

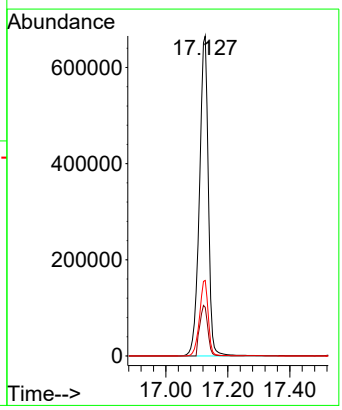


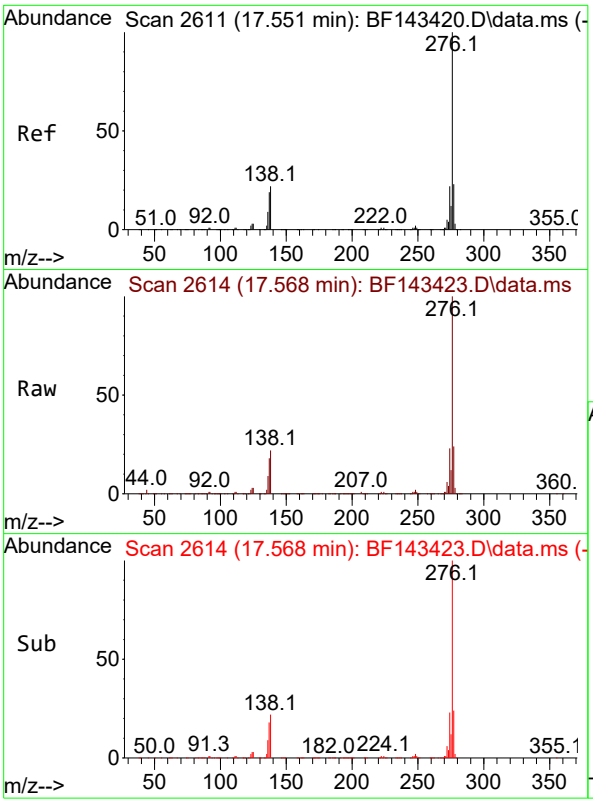


#91
Dibenzo(a,h)anthracene
Concen: 72.757 ng
RT: 17.127 min Scan# 2539
Delta R.T. 0.017 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Tgt Ion:278 Resp: 1328554

Ion	Ratio	Lower	Upper
278	100		
139	15.2	12.9	19.3
279	23.6	19.0	28.4



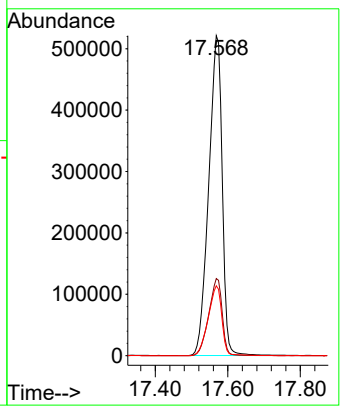


#92
Benzo(g,h,i)perylene
Concen: 73.842 ng
RT: 17.568 min Scan# 2
Delta R.T. 0.017 min
Lab File: BF143423.D
Acq: 15 Aug 2025 17:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 1346979

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.7	28.1
138	21.9	17.5	26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143424.D
Acq On : 15 Aug 2025 18:57
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Quant Time: Aug 15 19:18:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:57:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	125639	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	491006	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	272709	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	440330	20.000	ng	0.00
76) Chrysene-d12	14.086	240	224321	20.000	ng	0.00
86) Perylene-d12	15.574	264	261605	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	580235	80.281	ng	0.00
7) Phenol-d6	6.557	99	720369	79.088	ng	0.00
23) Nitrobenzene-d5	7.487	82	674421	81.505	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	202301	83.344	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1240954	76.538	ng	0.00
79) Terphenyl-d14	13.027	244	1146442	85.853	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.716	88	137973	39.659	ng	99
3) Pyridine	3.499	79	372858	40.863	ng	99
4) n-Nitrosodimethylamine	3.440	42	171863	40.523	ng	100
6) Aniline	6.592	93	498492	40.314	ng	99
8) 2-Chlorophenol	6.716	128	319839	40.083	ng	99
9) Benzaldehyde	6.481	77	217414	44.869	ng	98
10) Phenol	6.575	94	430958	40.546	ng	99
11) bis(2-Chloroethyl)ether	6.657	93	317550	40.305	ng	100
12) 1,3-Dichlorobenzene	6.869	146	355050	39.722	ng	99
13) 1,4-Dichlorobenzene	6.945	146	353824	39.650	ng	99
14) 1,2-Dichlorobenzene	7.098	146	337631	39.612	ng	100
15) Benzyl Alcohol	7.069	79	276064	41.098	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	537541	39.909	ng	100
17) 2-Methylphenol	7.181	107	263479	40.471	ng	99
18) Hexachloroethane	7.439	117	122314	40.268	ng	98
19) n-Nitroso-di-n-propyla...	7.339	70	222462	39.451	ng	97
20) 3+4-Methylphenols	7.334	107	317327	40.773	ng	100
22) Acetophenone	7.334	105	409319	38.772	ng	100
24) Nitrobenzene	7.504	77	353900	40.922	ng	100
25) Isophorone	7.745	82	634395	40.058	ng	100
26) 2-Nitrophenol	7.822	139	171500	42.777	ng	99
27) 2,4-Dimethylphenol	7.863	122	268492	39.609	ng	99
28) bis(2-Chloroethoxy)met...	7.951	93	387437	39.801	ng	99
29) 2,4-Dichlorophenol	8.069	162	278935	40.367	ng	100
30) 1,2,4-Trichlorobenzene	8.151	180	277133	39.142	ng	100
31) Naphthalene	8.234	128	917858	39.375	ng	100
32) Benzoic acid	7.975	122	145960	41.403	ng	97
33) 4-Chloroaniline	8.275	127	341869	40.630	ng	99
34) Hexachlorobutadiene	8.351	225	177092	39.224	ng	97
35) Caprolactam	8.645	113	84212	42.330	ng	99
36) 4-Chloro-3-methylphenol	8.757	107	291765	40.997	ng	98
37) 2-Methylnaphthalene	8.922	142	615873	39.196	ng	100
38) 1-Methylnaphthalene	9.022	142	596492	39.623	ng	99
40) 1,2,4,5-Tetrachloroben...	9.086	216	297713	39.145	ng	99
41) Hexachlorocyclopentadiene	9.081	237	102238	40.416	ng	99
43) 2,4,6-Trichlorophenol	9.198	196	193444	40.774	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143424.D
Acq On : 15 Aug 2025 18:57
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Quant Time: Aug 15 19:18:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:57:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	210061	41.305	ng	99
46) 1,1'-Biphenyl	9.386	154	748830	39.081	ng	99
47) 2-Chloronaphthalene	9.410	162	590752	39.058	ng	99
48) 2-Nitroaniline	9.504	65	189676	42.141	ng	97
49) Acenaphthylene	9.822	152	866445	39.677	ng	100
50) Dimethylphthalate	9.675	163	686793	40.394	ng	100
51) 2,6-Dinitrotoluene	9.739	165	146942	43.842	ng	98
52) Acenaphthene	9.998	154	589195	40.115	ng	100
53) 3-Nitroaniline	9.910	138	160770	43.062	ng	99
54) 2,4-Dinitrophenol	10.022	184	60785	41.967	ng	97
55) Dibenzofuran	10.169	168	827034	39.033	ng	99
56) 4-Nitrophenol	10.075	139	104368	44.464	ng	98
57) 2,4-Dinitrotoluene	10.145	165	198343	44.386	ng	100
58) Fluorene	10.510	166	635952	39.070	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.286	232	167166	43.424	ng	99
60) Diethylphthalate	10.380	149	636541	40.514	ng	99
61) 4-Chlorophenyl-phenyle...	10.498	204	318141	39.533	ng	100
62) 4-Nitroaniline	10.522	138	152248	43.604	ng	97
63) Azobenzene	10.663	77	637467	40.143	ng	100
65) 4,6-Dinitro-2-methylph...	10.557	198	104008	45.779	ng	99
66) n-Nitrosodiphenylamine	10.616	169	554575	38.734	ng	100
67) 4-Bromophenyl-phenylether	10.992	248	205635	39.547	ng	99
68) Hexachlorobenzene	11.063	284	215158	38.923	ng	99
69) Atrazine	11.139	200	177396	42.361	ng	99
70) Pentachlorophenol	11.257	266	105712	43.486	ng	99
71) Phenanthrene	11.474	178	919627	38.568	ng	100
72) Anthracene	11.527	178	937696	38.935	ng	100
73) Carbazole	11.674	167	804170	39.480	ng	100
74) Di-n-butylphthalate	12.004	149	859613	42.379	ng	100
75) Fluoranthene	12.663	202	842615	39.770	ng	100
77) Benzidine	12.774	184	301000	47.400	ng	100
78) Pyrene	12.892	202	845466	43.363	ng	99
80) Butylbenzylphthalate	13.498	149	216055	44.739	ng	100
81) Benzo(a)anthracene	14.074	228	569456	39.874	ng	99
82) 3,3'-Dichlorobenzidine	14.033	252	164709	39.390	ng	99
83) Chrysene	14.110	228	539626	40.872	ng	99
84) Bis(2-ethylhexyl)phtha...	14.057	149	282227	41.151	ng	99
85) Di-n-octyl phthalate	14.668	149	546335	39.276	ng	100
87) Indeno(1,2,3-cd)pyrene	17.098	276	810056	41.292	ng	100
88) Benzo(b)fluoranthene	15.139	252	561290	40.032	ng	99
89) Benzo(k)fluoranthene	15.168	252	556803	40.263	ng	100
90) Benzo(a)pyrene	15.510	252	536535	40.177	ng	99
91) Dibenzo(a,h)anthracene	17.109	278	656933	41.699	ng	99
92) Benzo(g,h,i)perylene	17.551	276	652150	41.438	ng	99

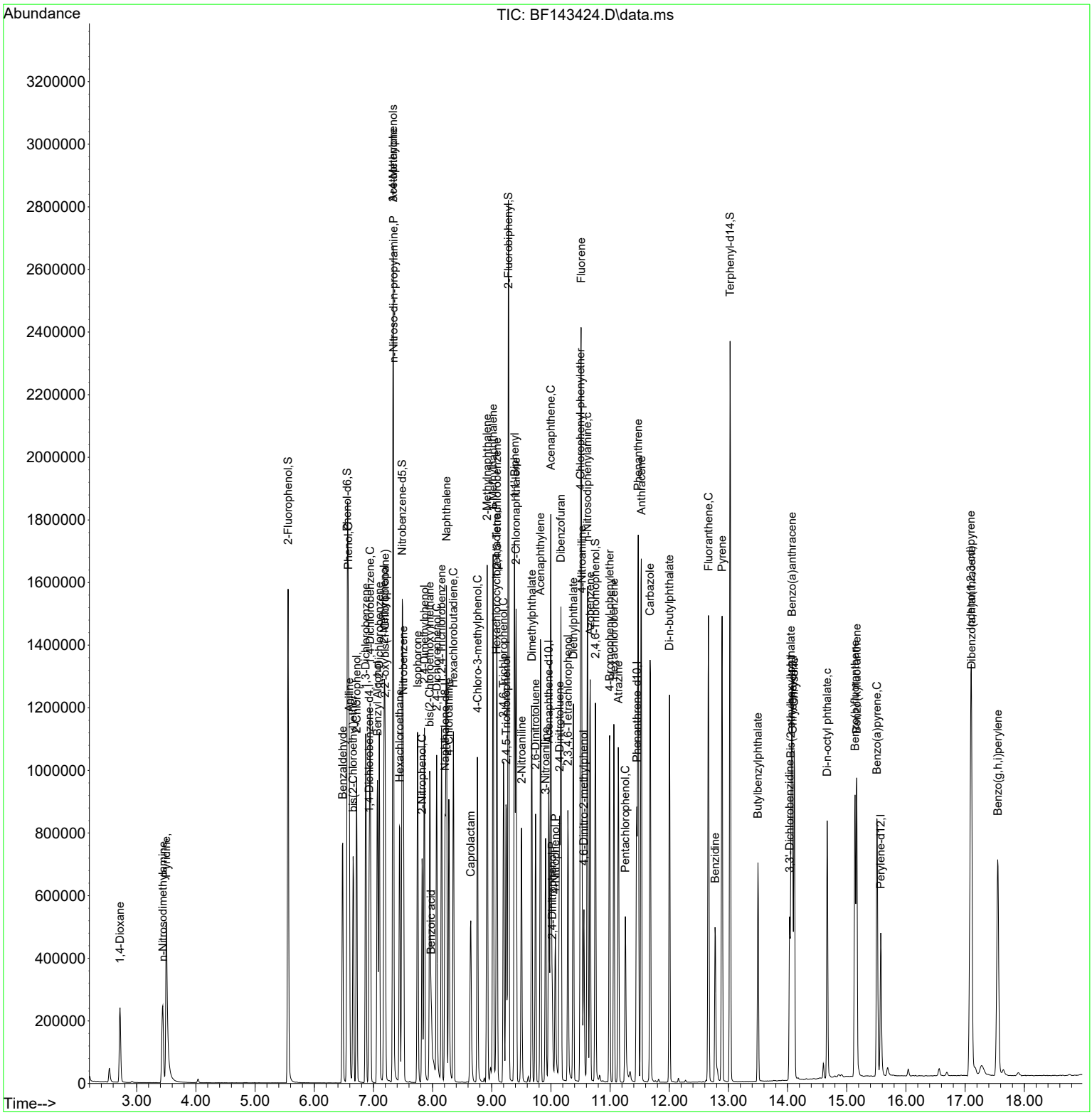
(#) = qualifier out of range (m) = manual integration (+) = signals summed

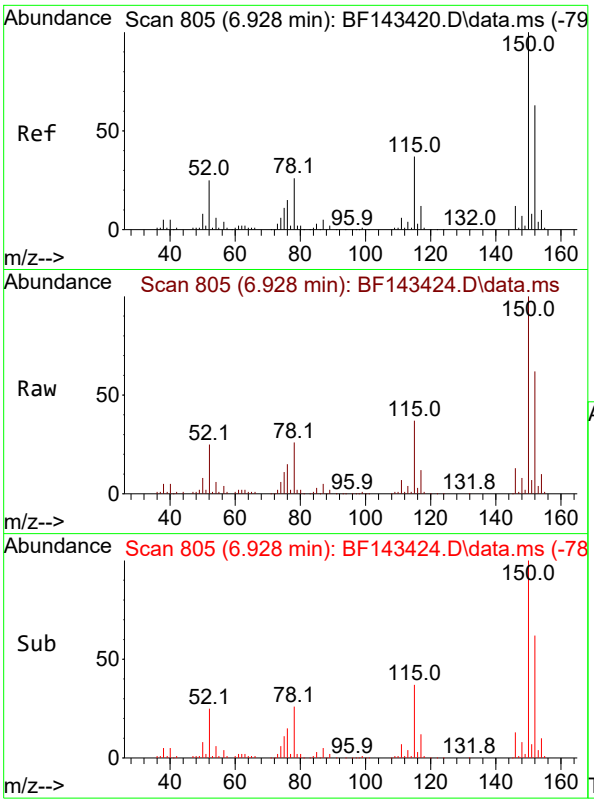
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143424.D
Acq On : 15 Aug 2025 18:57
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Quant Time: Aug 15 19:18:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:57:34 2025
Response via : Initial Calibration



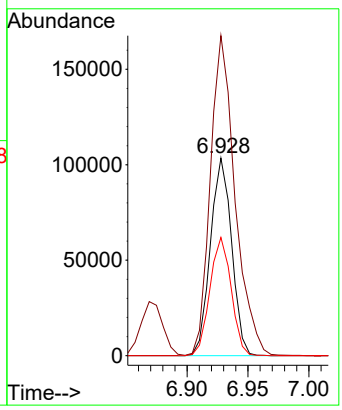


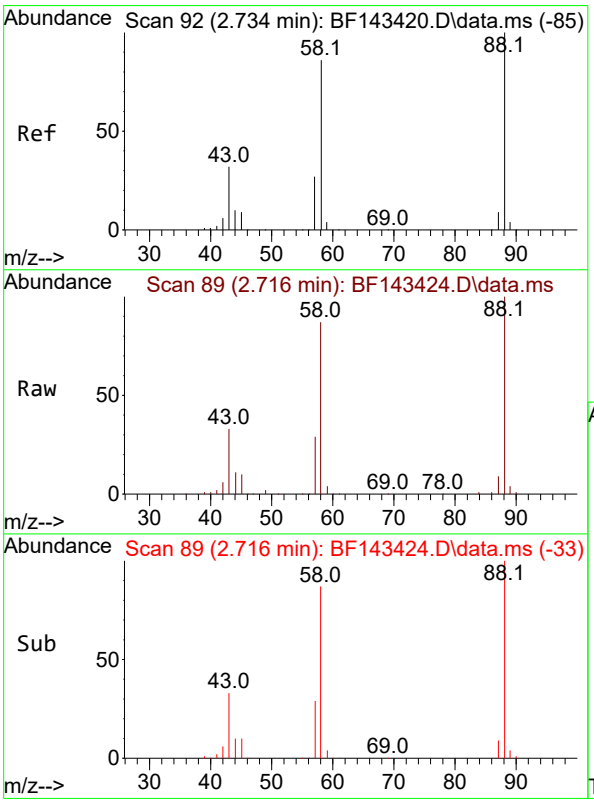
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:152 Resp: 125639

Ion	Ratio	Lower	Upper
152	100		
150	161.9	127.4	191.2
115	59.8	47.5	71.3

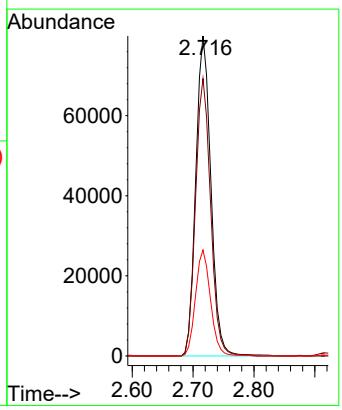


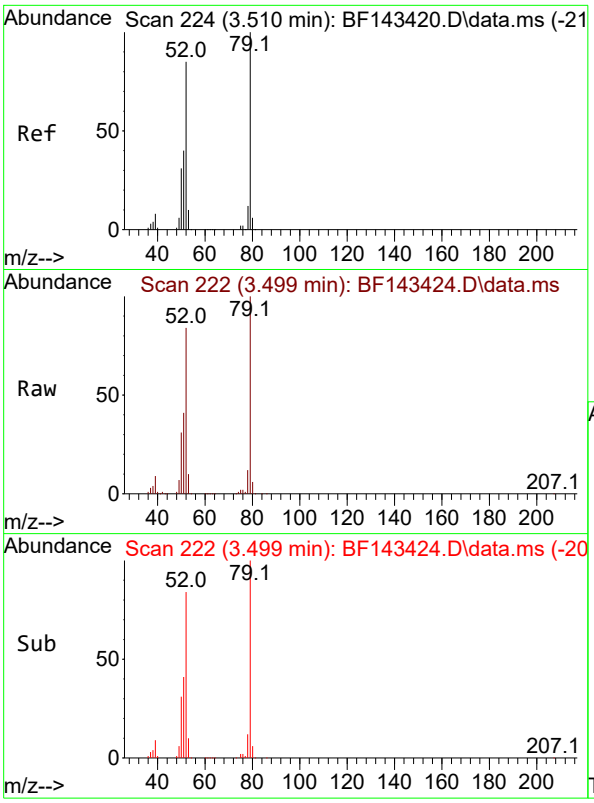


#2
1,4-Dioxane
Concen: 39.659 ng
RT: 2.716 min Scan# 89
Delta R.T. -0.018 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion: 88 Resp: 137973

Ion	Ratio	Lower	Upper
88	100		
58	86.4	68.7	103.1
43	32.9	26.1	39.1



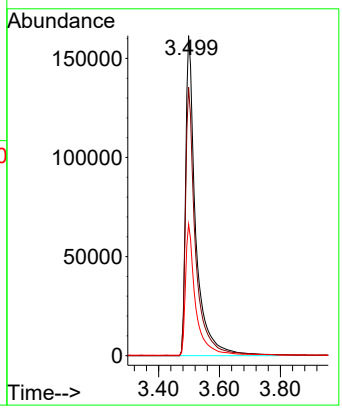


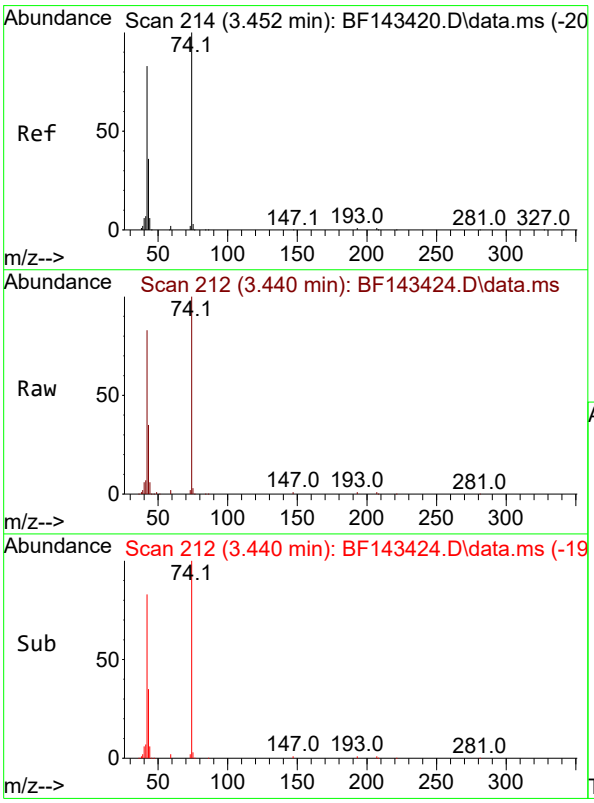
#3
Pyridine
Concen: 40.863 ng
RT: 3.499 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion: 79 Resp: 372858

Ion	Ratio	Lower	Upper
79	100		
52	83.9	67.7	101.5
51	41.0	32.3	48.5

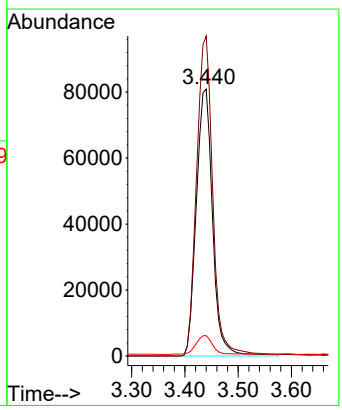


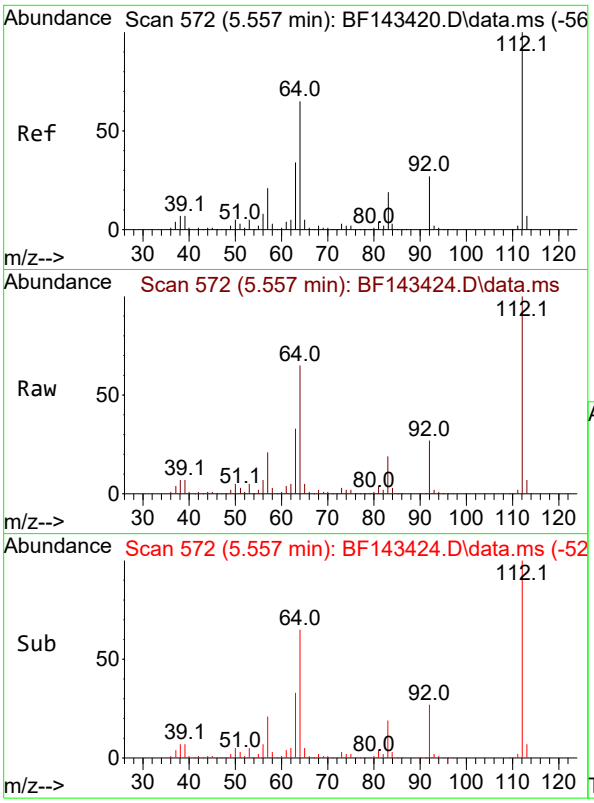


#4
n-Nitrosodimethylamine
Concen: 40.523 ng
RT: 3.440 min Scan# 212
Delta R.T. -0.012 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion: 42 Resp: 171863

Ion	Ratio	Lower	Upper
42	100		
74	119.9	96.2	144.4
44	7.6	5.9	8.9



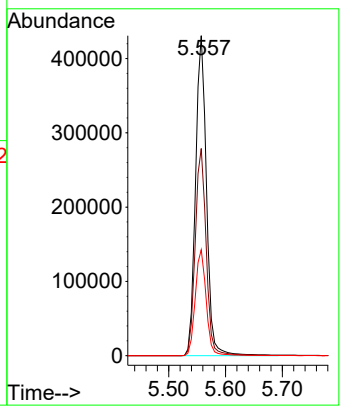


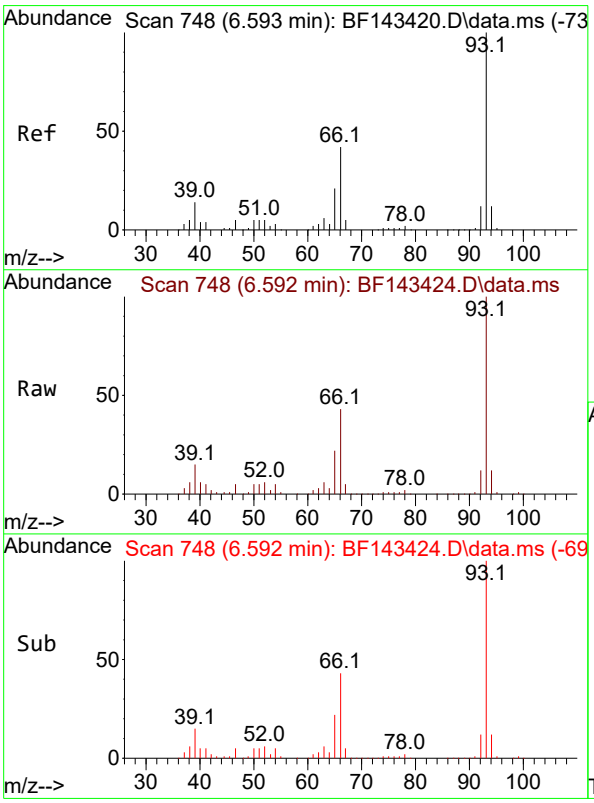
#5
2-Fluorophenol
Concen: 80.281 ng
RT: 5.557 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:112 Resp: 580235

Ion	Ratio	Lower	Upper
112	100		
64	64.8	52.2	78.2
63	33.1	27.0	40.6

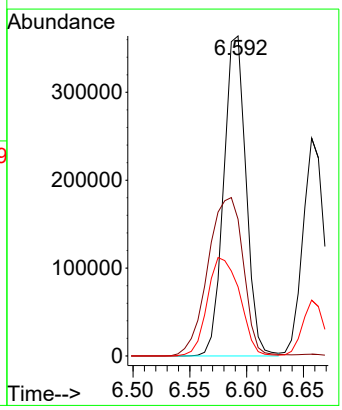


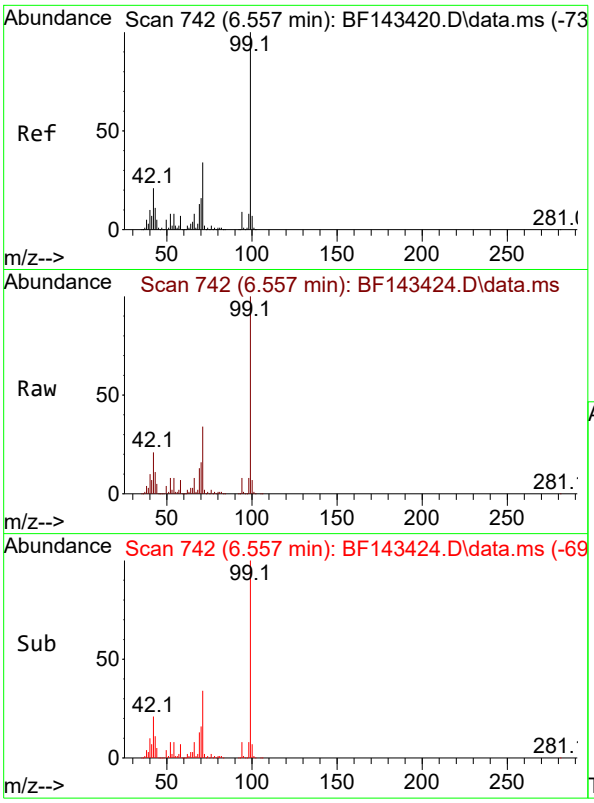


#6
Aniline
Concen: 40.314 ng
RT: 6.592 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion: 93 Resp: 498492

Ion	Ratio	Lower	Upper
93	100		
66	42.7	33.8	50.8
65	21.6	17.2	25.8



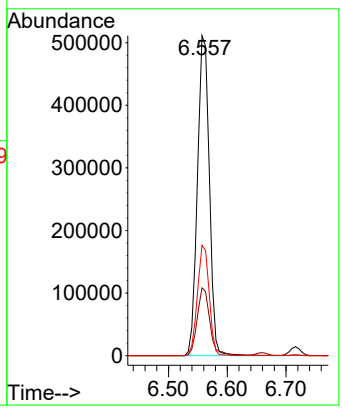


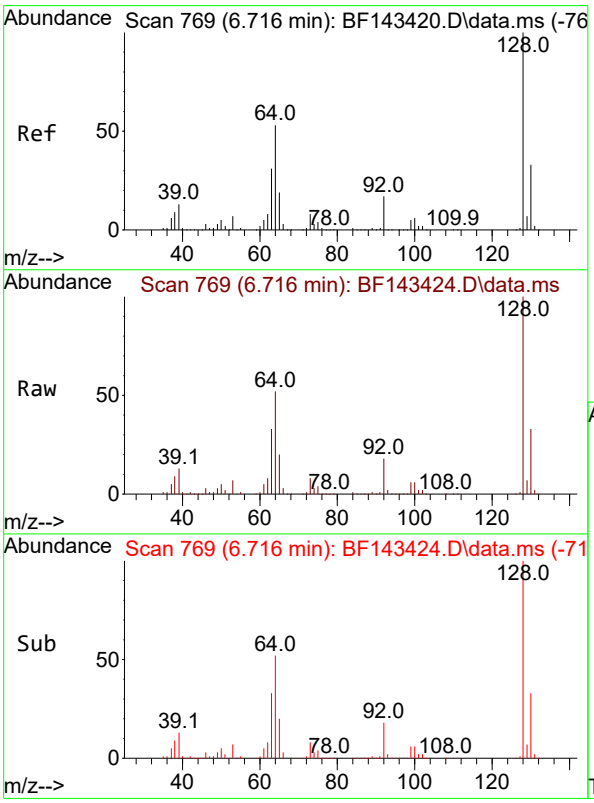
#7
Phenol-d6
Concen: 79.088 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion: 99 Resp: 720369

Ion	Ratio	Lower	Upper
99	100		
42	21.2	17.0	25.6
71	34.5	27.4	41.2

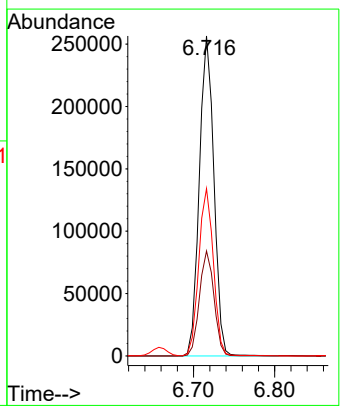


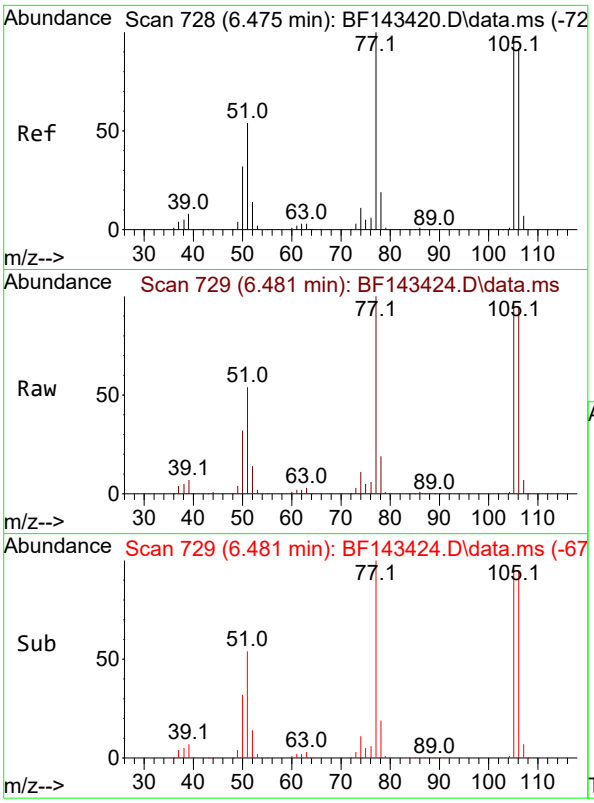


#8
2-Chlorophenol
Concen: 40.083 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:128 Resp: 319839

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.9	52.9
64	52.3	33.1	73.1



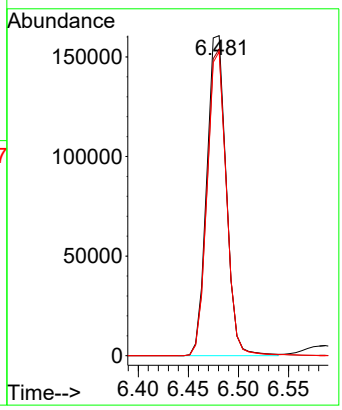


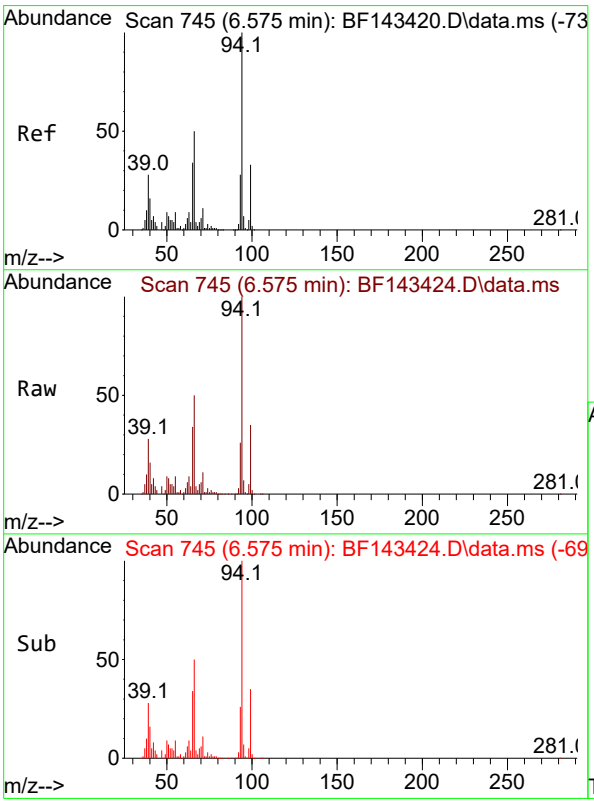
#9
Benzaldehyde
Concen: 44.869 ng
RT: 6.481 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion: 77 Resp: 217414

Ion	Ratio	Lower	Upper
77	100		
105	95.9	75.5	115.5
106	95.0	72.0	112.0

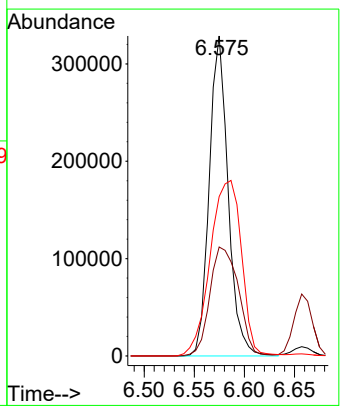


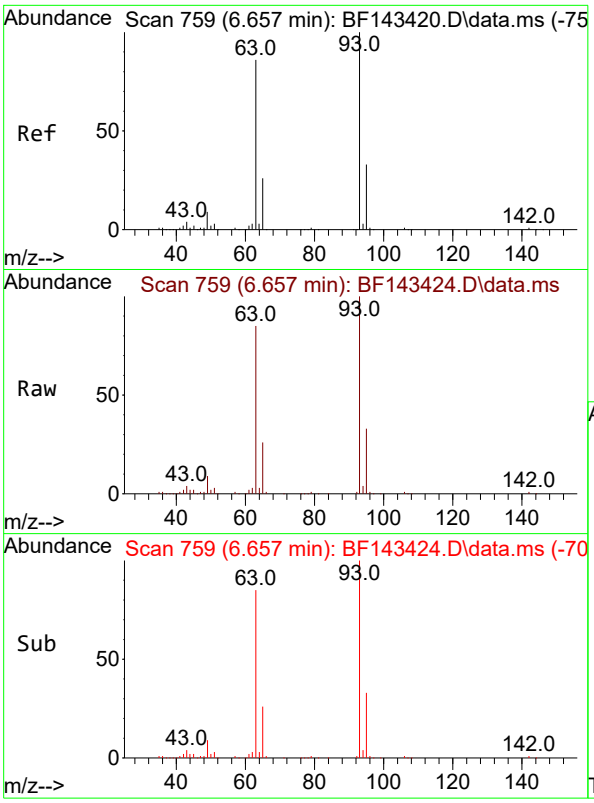


#10
Phenol
Concen: 40.546 ng
RT: 6.575 min Scan# 745
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion: 94 Resp: 430958

Ion	Ratio	Lower	Upper
94	100		
65	34.1	13.7	53.7
66	49.8	30.3	70.3



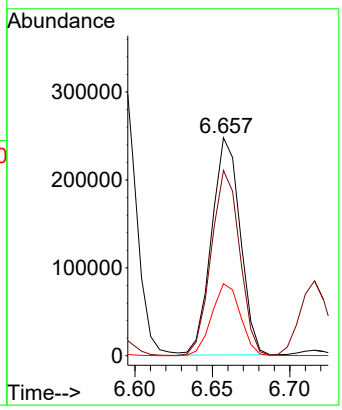


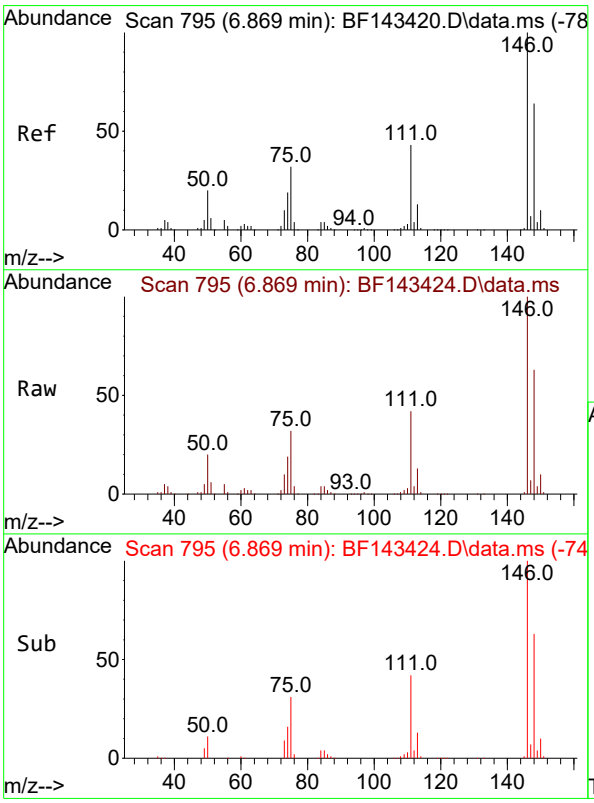
#11
bis(2-Chloroethyl)ether
Concen: 40.305 ng
RT: 6.657 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion: 93 Resp: 317550

Ion	Ratio	Lower	Upper
93	100		
63	85.1	65.4	105.4
95	33.0	12.8	52.8

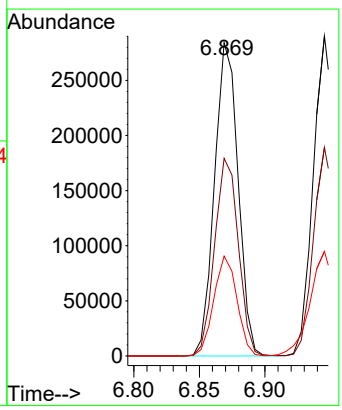


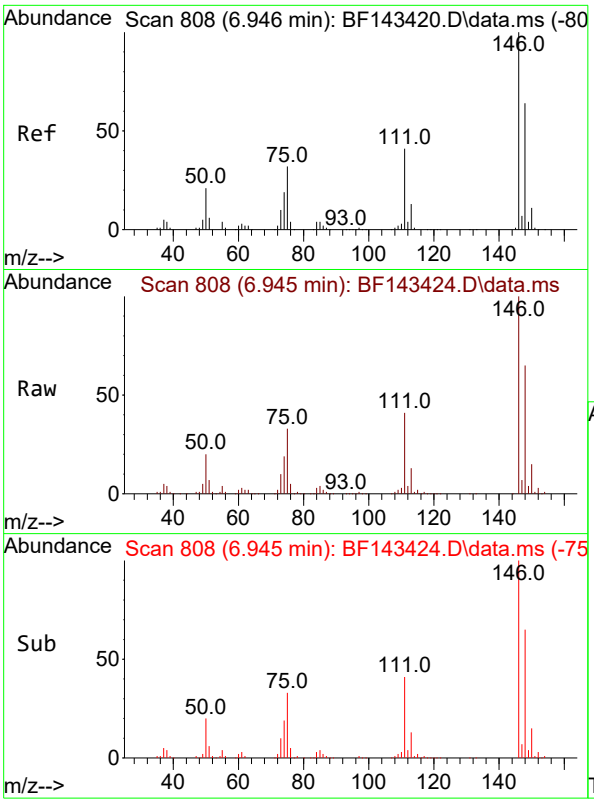


#12
1,3-Dichlorobenzene
Concen: 39.722 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:146 Resp: 355050

Ion	Ratio	Lower	Upper
146	100		
148	63.1	51.0	76.4
75	31.9	25.3	37.9



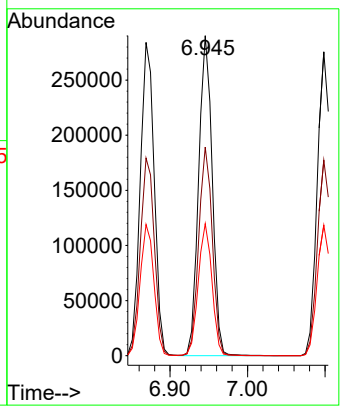


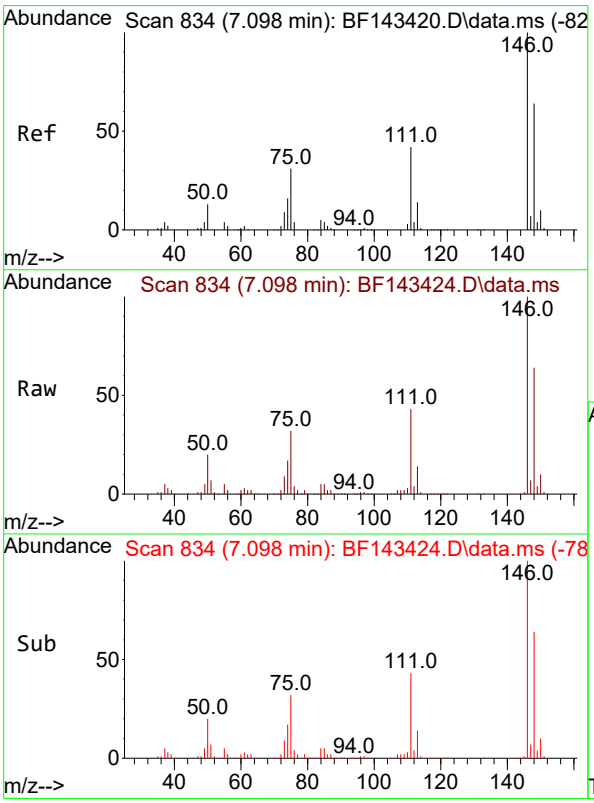
#13
1,4-Dichlorobenzene
Concen: 39.650 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:146 Resp: 353824

Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.1	76.7
111	41.3	32.5	48.7

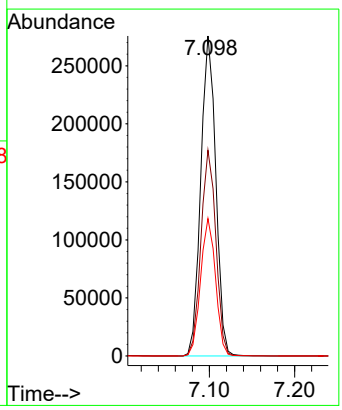


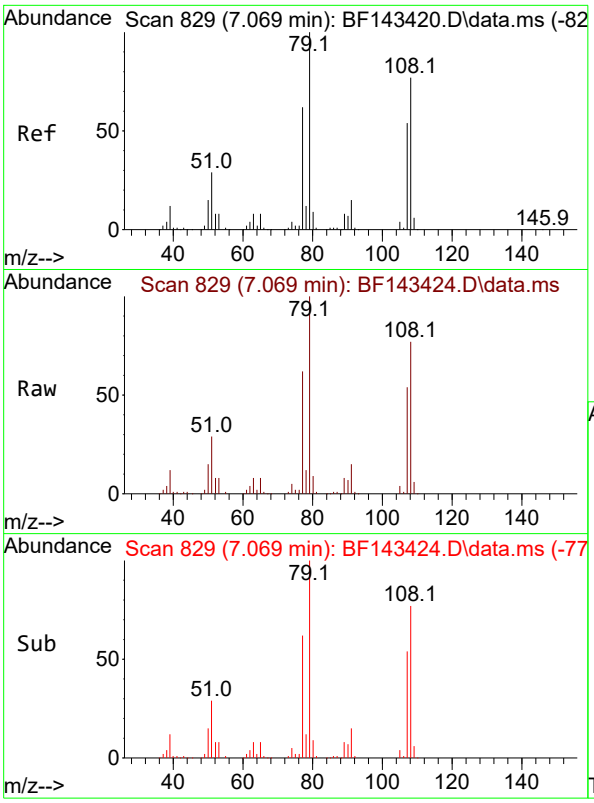


#14
1,2-Dichlorobenzene
Concen: 39.612 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:146 Resp: 337631

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.0
111	43.0	33.9	50.9



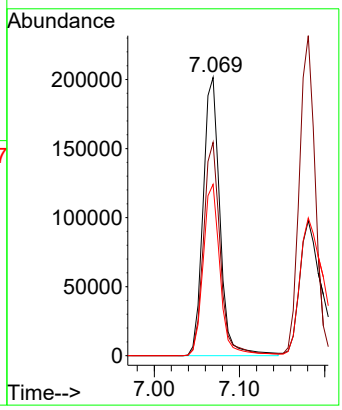


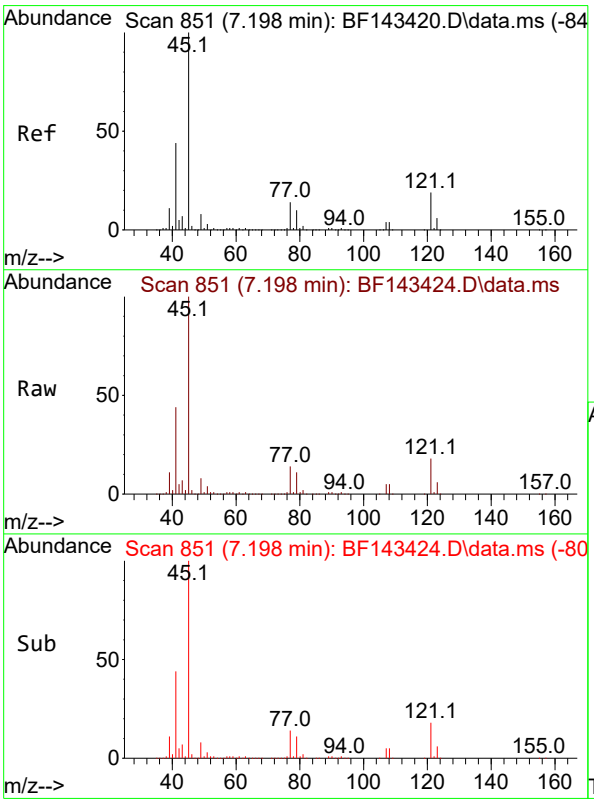
#15
Benzyl Alcohol
Concen: 41.098 ng
RT: 7.069 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion: 79 Resp: 276064

Ion	Ratio	Lower	Upper
79	100		
108	76.7	61.9	92.9
77	61.6	49.2	73.8

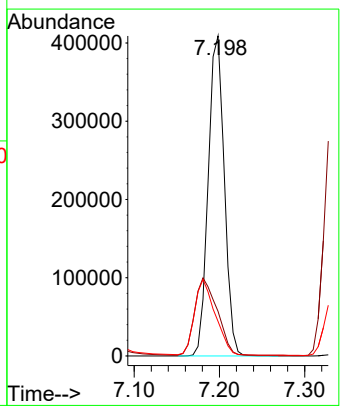


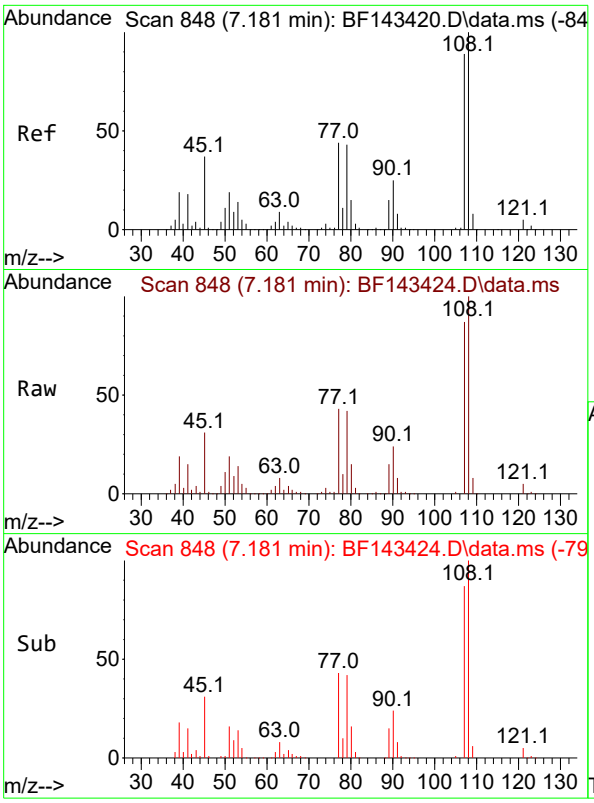


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.909 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion: 45 Resp: 537541

Ion	Ratio	Lower	Upper
45	100		
77	13.9	0.0	33.9
79	10.8	0.0	30.7



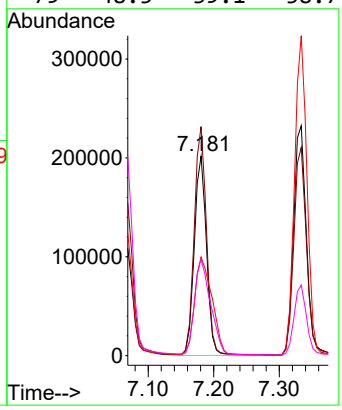


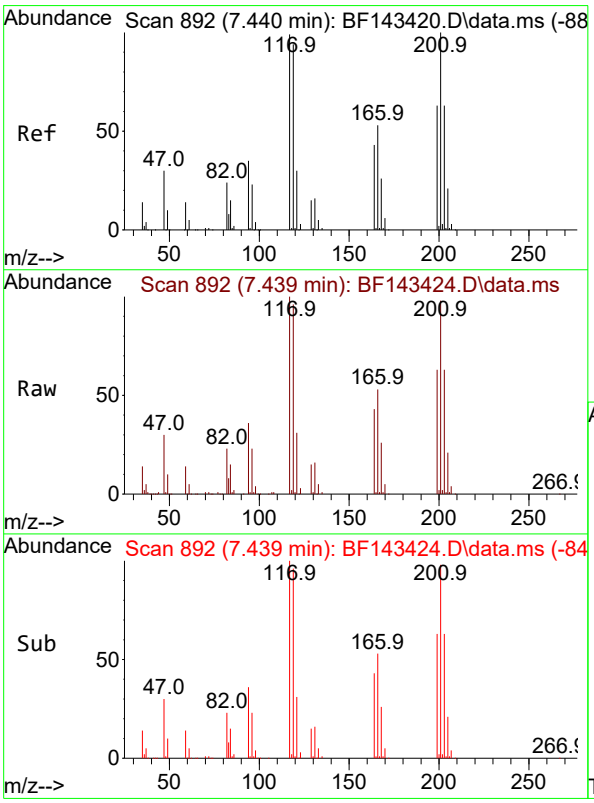
#17
2-Methylphenol
Concen: 40.471 ng
RT: 7.181 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:107 Resp: 263479

Ion	Ratio	Lower	Upper
107	100		
108	114.8	90.1	135.1
77	49.4	39.9	59.9
79	48.5	39.1	58.7

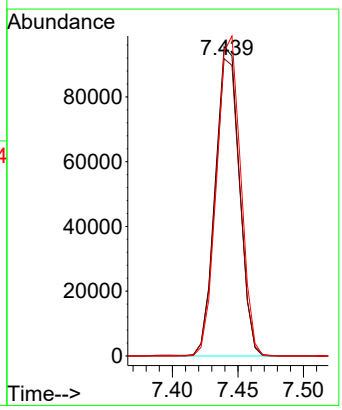


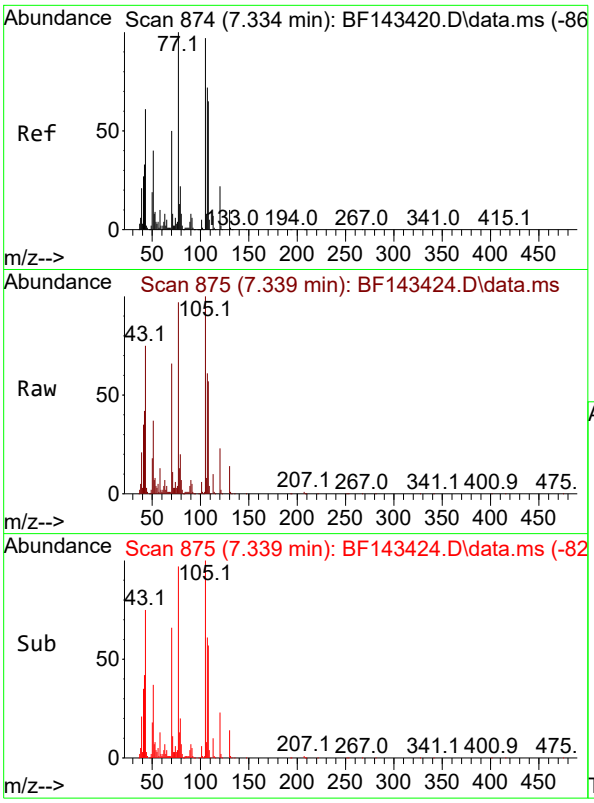


#18
Hexachloroethane
Concen: 40.268 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:117 Resp: 122314

Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.6	114.8
201	98.4	81.0	121.4



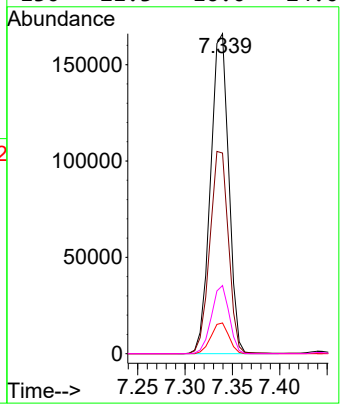


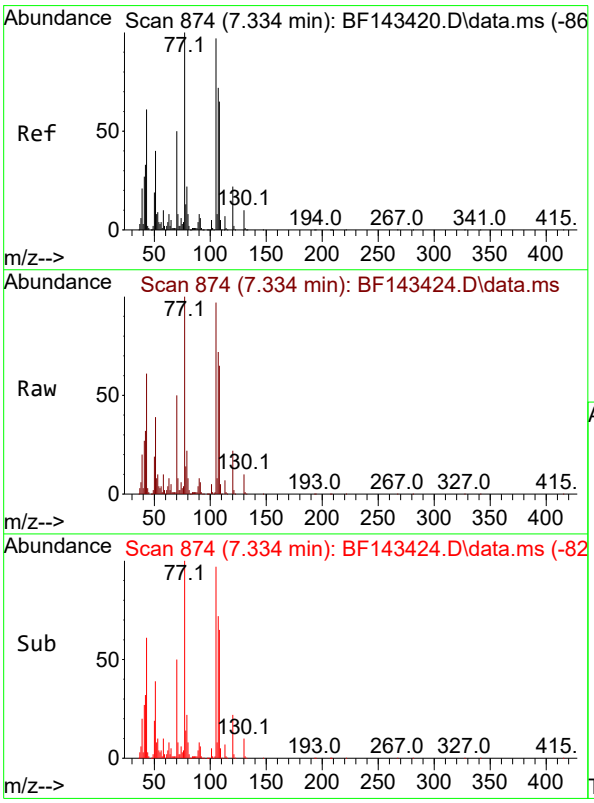
#19
n-Nitroso-di-n-propylamine
Concen: 39.451 ng
RT: 7.339 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion: 70 Resp: 222462

Ion	Ratio	Lower	Upper
70	100		
42	62.7	52.5	78.7
101	9.6	7.9	11.9
130	21.3	16.0	24.0

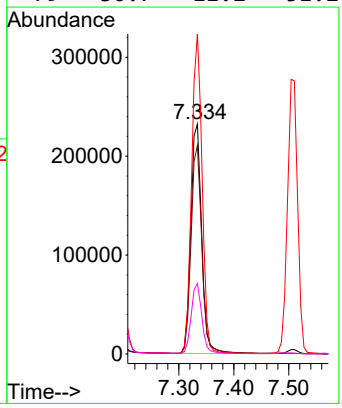


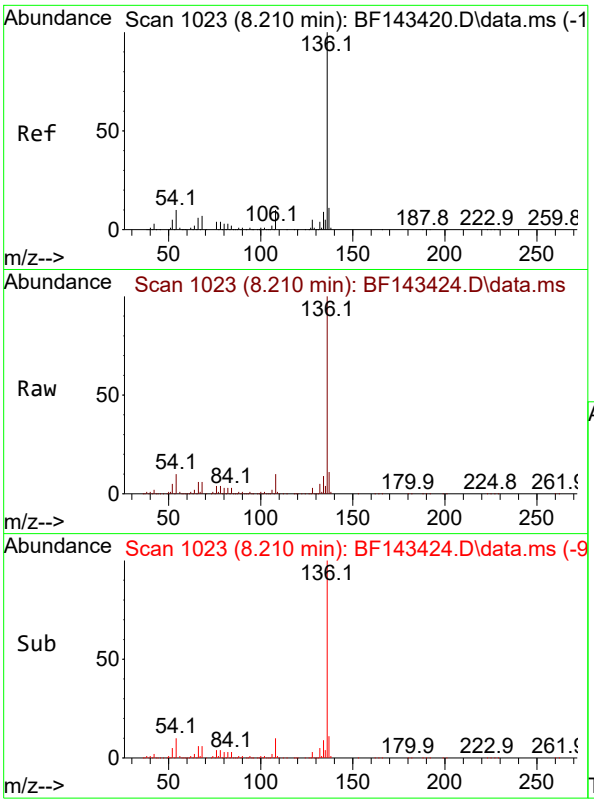


#20
3+4-Methylphenols
Concen: 40.773 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:107 Resp: 317327

Ion	Ratio	Lower	Upper
107	100		
108	90.6	70.8	110.8
77	139.1	119.1	159.1
79	30.7	11.2	51.2



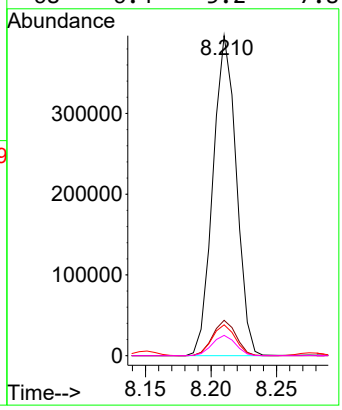


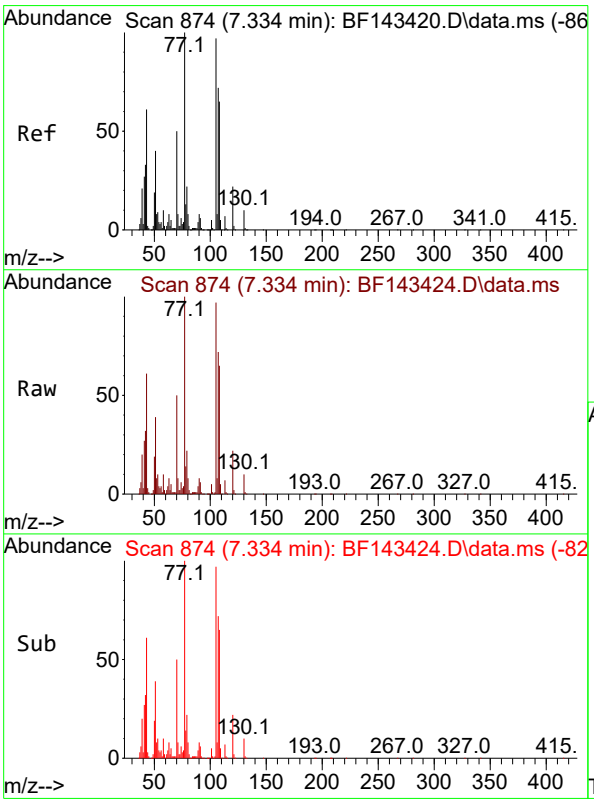
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:136 Resp: 491006

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	9.6	7.8	11.8
68	6.4	5.2	7.8

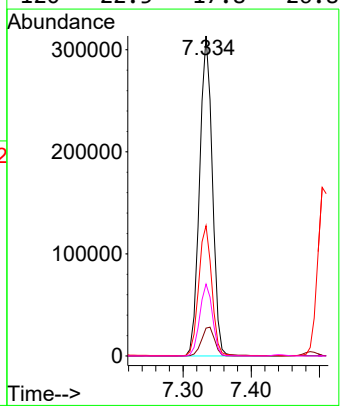


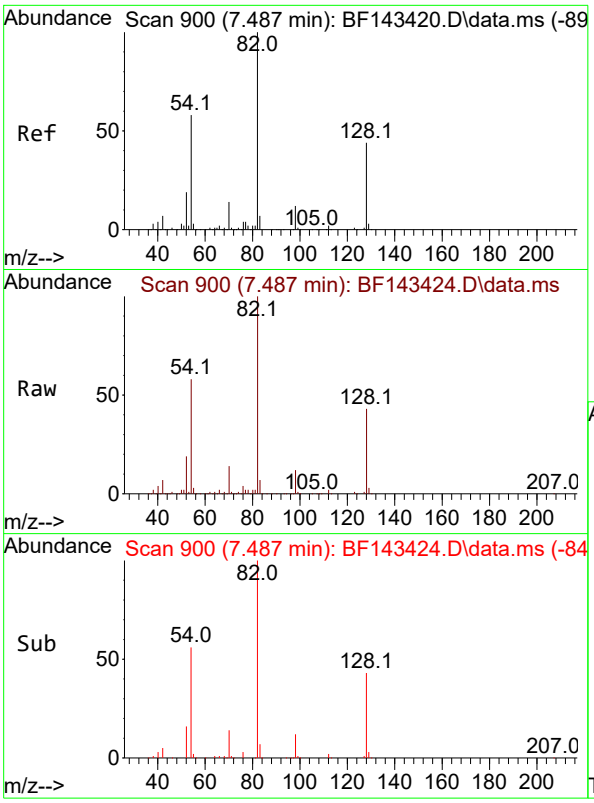


#22
Acetophenone
Concen: 38.772 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:105 Resp: 409319

Ion	Ratio	Lower	Upper
105	100		
71	8.7	7.0	10.4
51	40.7	32.7	49.1
120	22.5	17.8	26.8



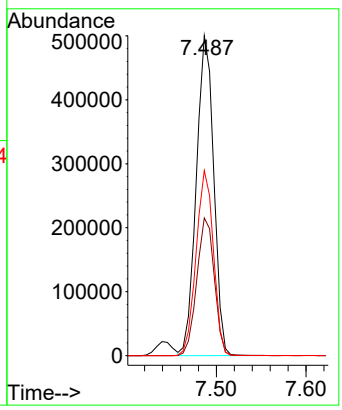


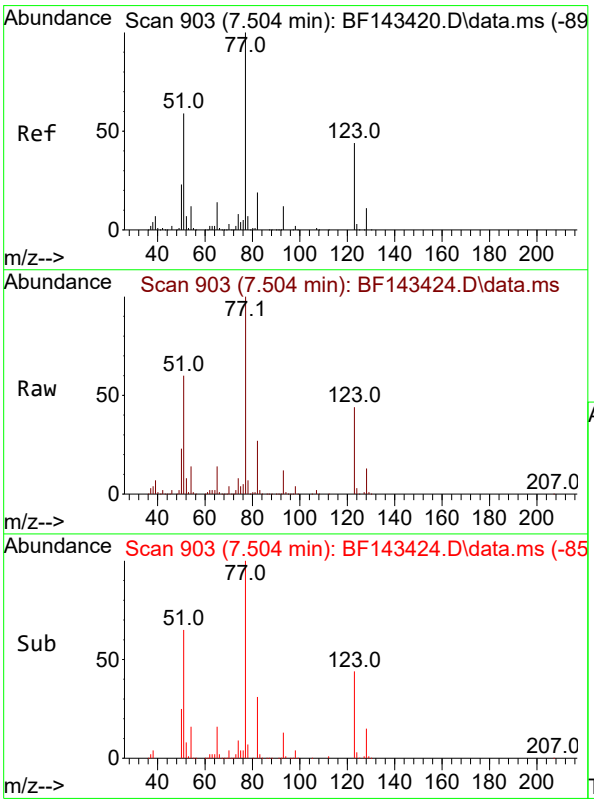
#23
Nitrobenzene-d5
Concen: 81.505 ng
RT: 7.487 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion: 82 Resp: 674421

Ion	Ratio	Lower	Upper
82	100		
128	43.1	34.6	52.0
54	57.9	46.0	69.0

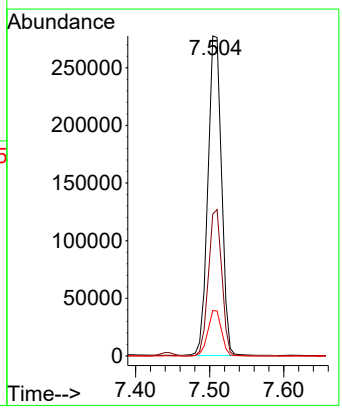


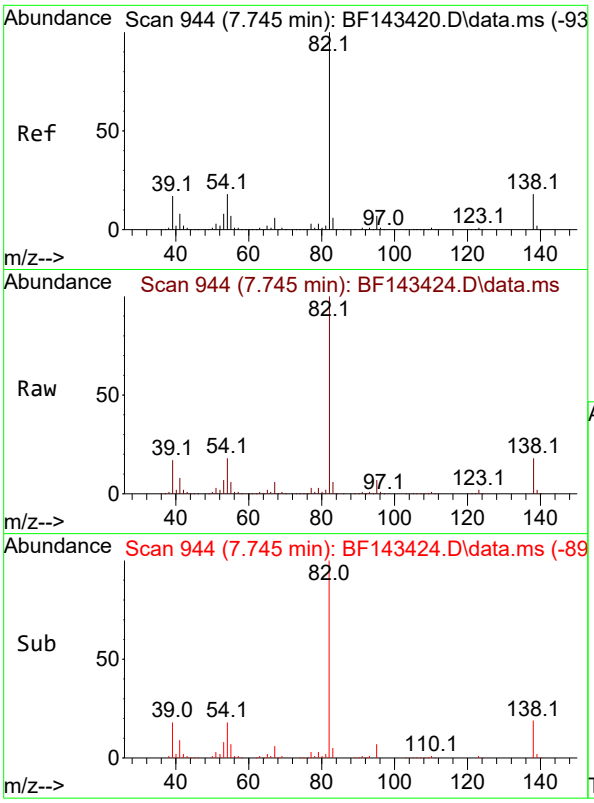


#24
Nitrobenzene
Concen: 40.922 ng
RT: 7.504 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion: 77 Resp: 353900

Ion	Ratio	Lower	Upper
77	100		
123	44.3	35.4	53.0
65	14.2	11.2	16.8



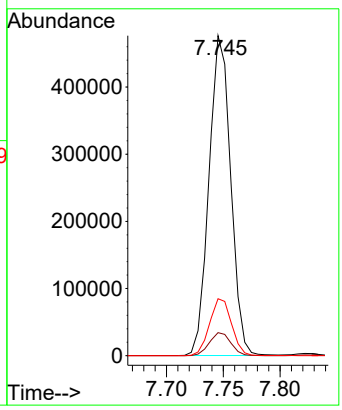


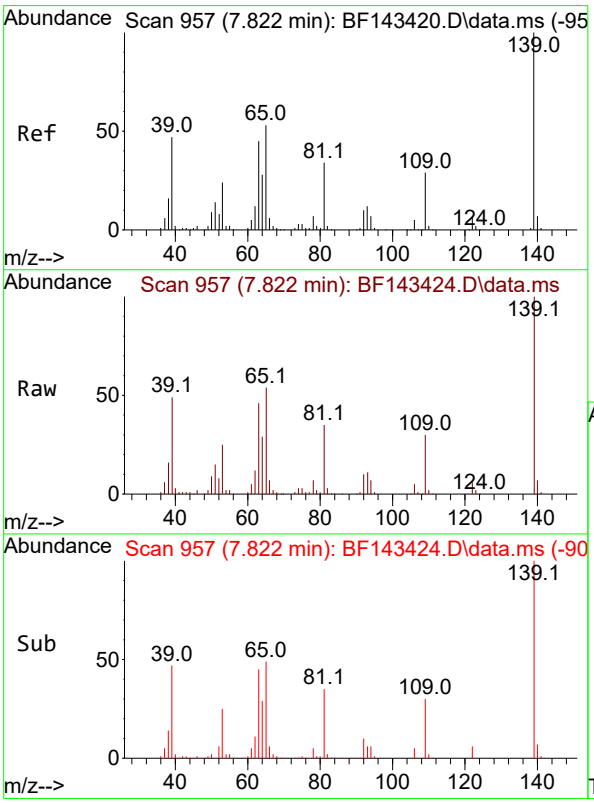
#25
Isophorone
Concen: 40.058 ng
RT: 7.745 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion: 82 Resp: 634395

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.6	8.4
138	17.8	14.3	21.5

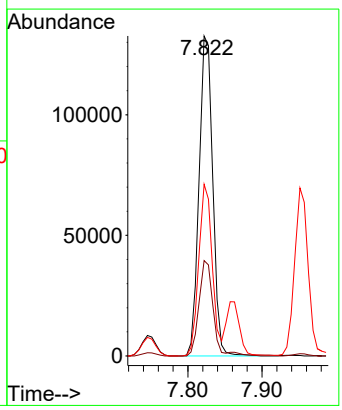


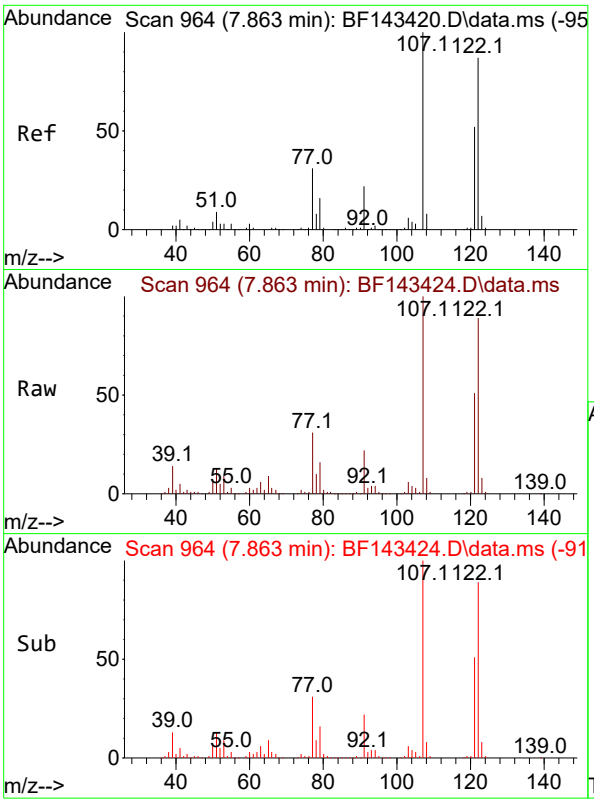


#26
2-Nitrophenol
Concen: 42.777 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:139 Resp: 171500

Ion	Ratio	Lower	Upper
139	100		
109	29.8	23.0	34.4
65	53.7	42.5	63.7



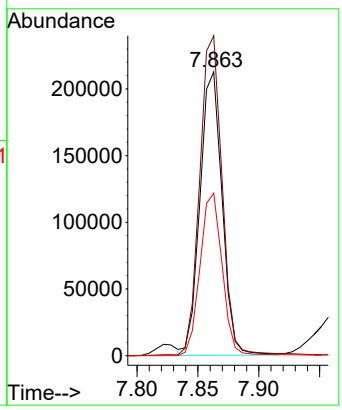


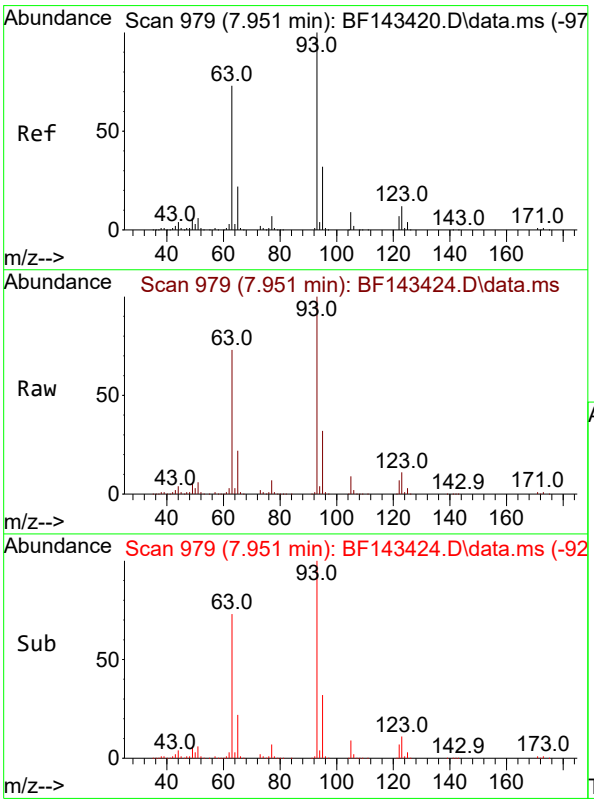
#27
2,4-Dimethylphenol
Concen: 39.609 ng
RT: 7.863 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:122 Resp: 268492

Ion	Ratio	Lower	Upper
122	100		
107	112.7	90.4	135.6
121	57.2	46.7	70.1

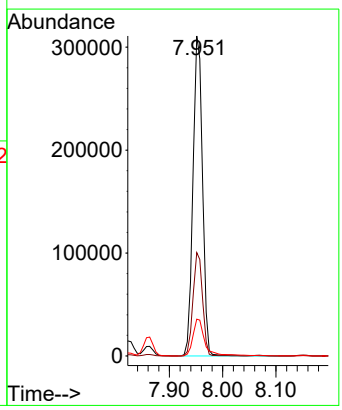


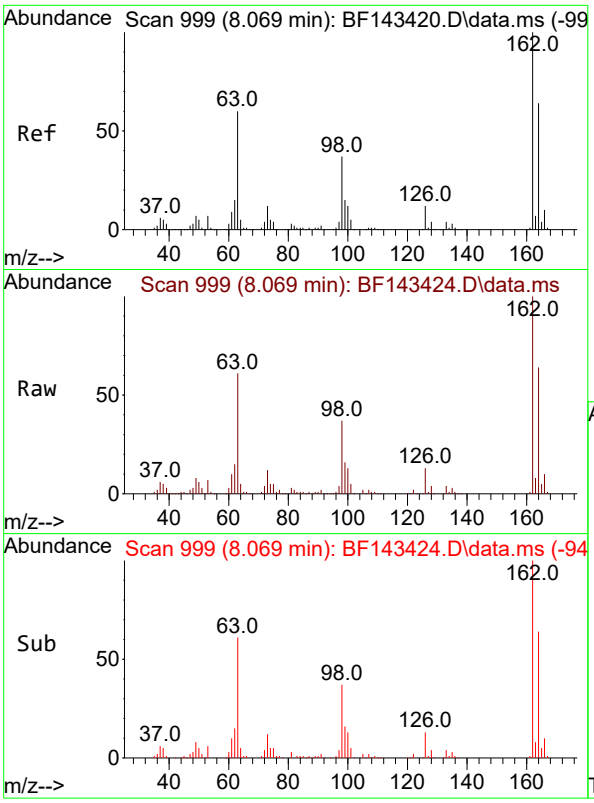


#28
bis(2-Chloroethoxy)methane
Concen: 39.801 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion: 93 Resp: 387437

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.0	39.0
123	11.5	9.5	14.3



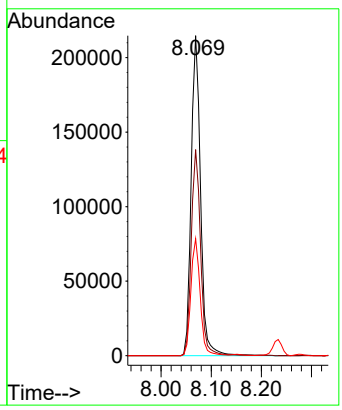


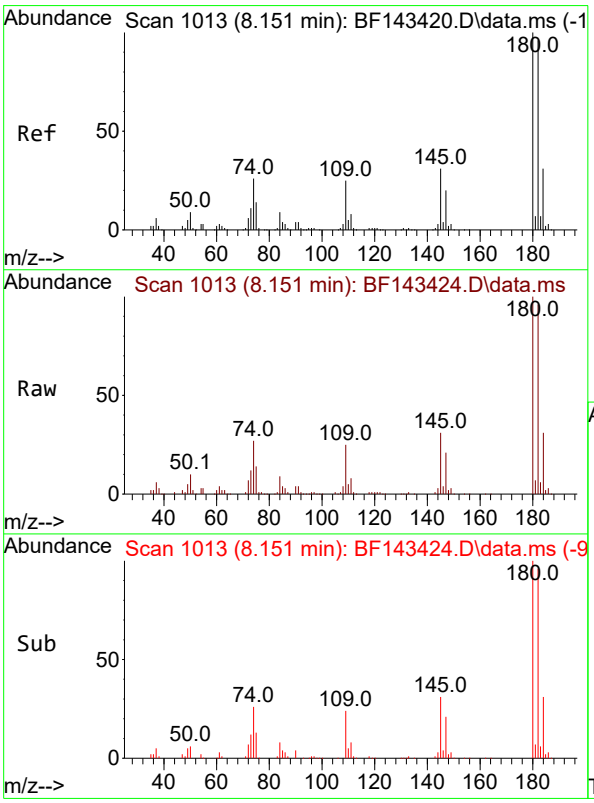
#29
2,4-Dichlorophenol
Concen: 40.367 ng
RT: 8.069 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:162 Resp: 278935

Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.3	84.3
98	36.6	16.9	56.9

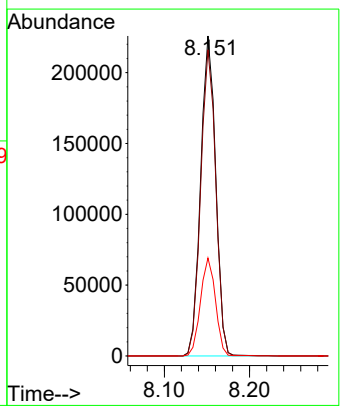


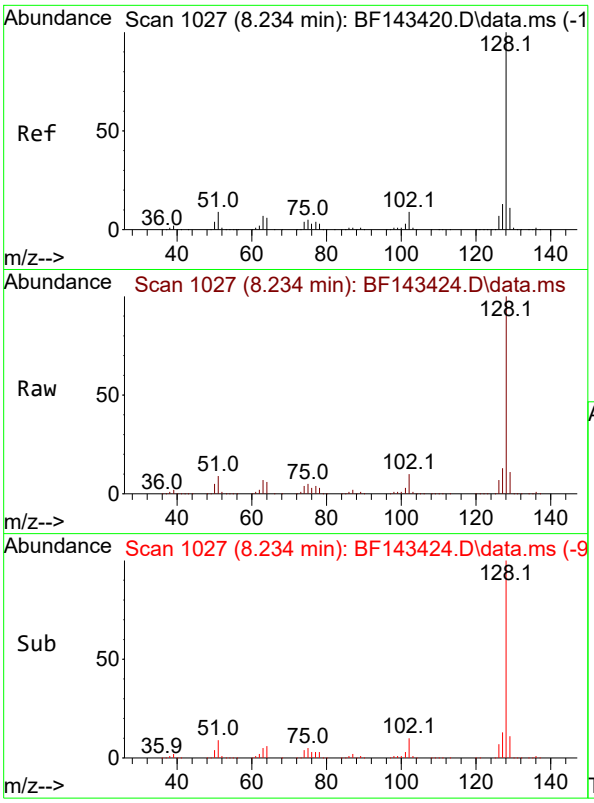


#30
1,2,4-Trichlorobenzene
Concen: 39.142 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:180 Resp: 277133

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.7	115.1
145	30.6	24.5	36.7



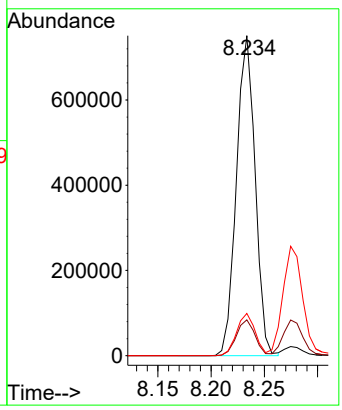


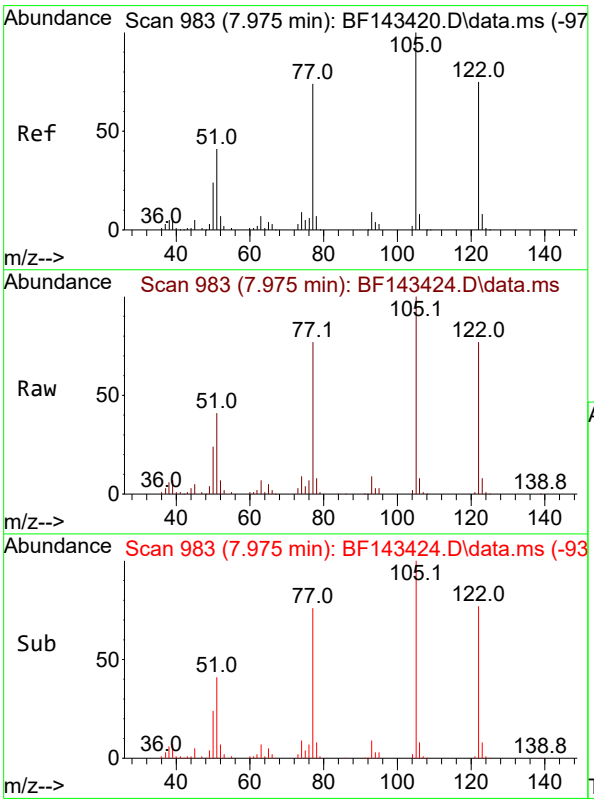
#31
Naphthalene
Concen: 39.375 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:128 Resp: 917858

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.2	10.6	16.0

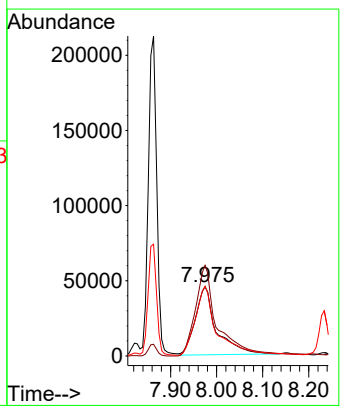


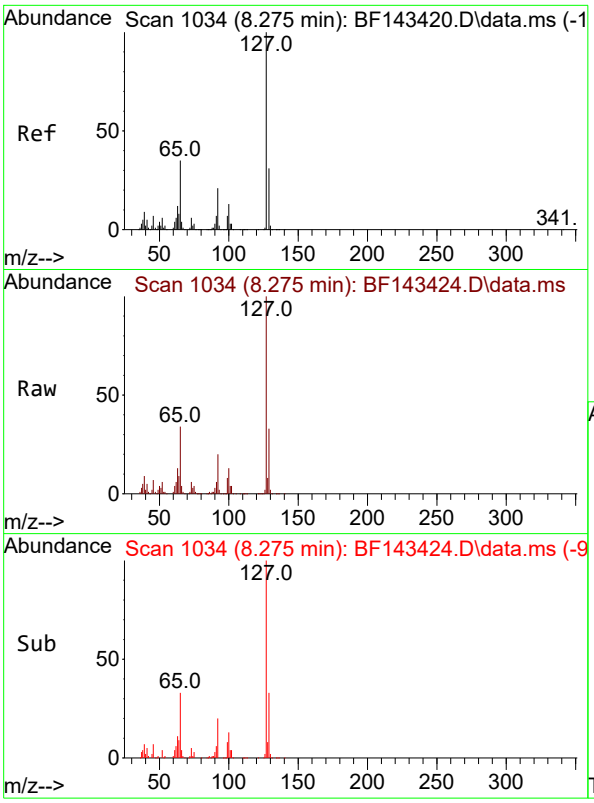


#32
Benzoic acid
Concen: 41.403 ng
RT: 7.975 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:122 Resp: 145960

Ion	Ratio	Lower	Upper
122	100		
105	130.7	108.4	148.4
77	100.3	75.9	115.9



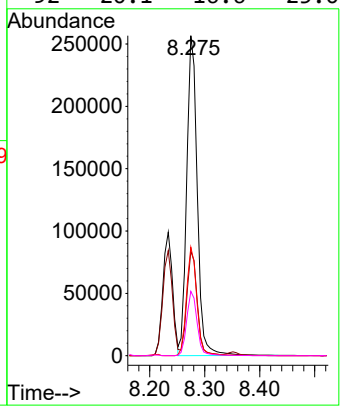


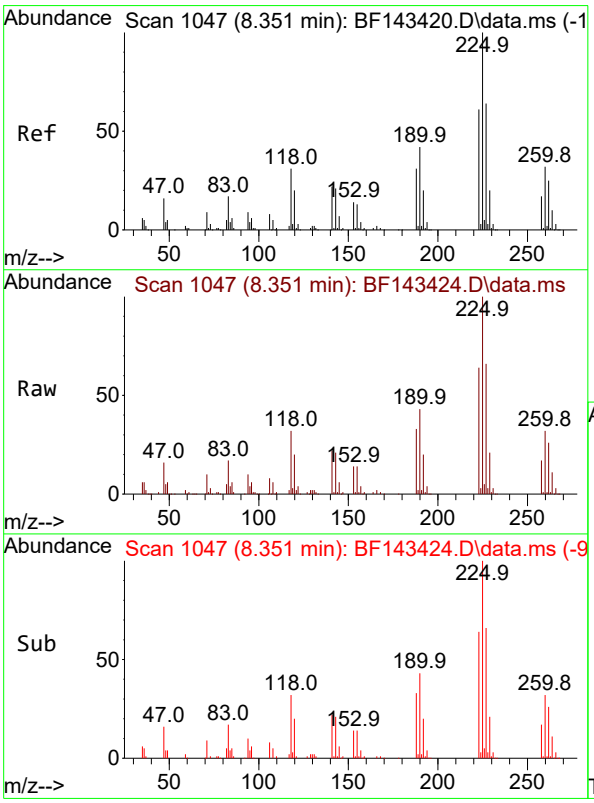
#33
4-Chloroaniline
Concen: 40.630 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:127 Resp: 341869

Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.8	38.8
65	33.9	27.2	40.8
92	20.1	16.6	25.0

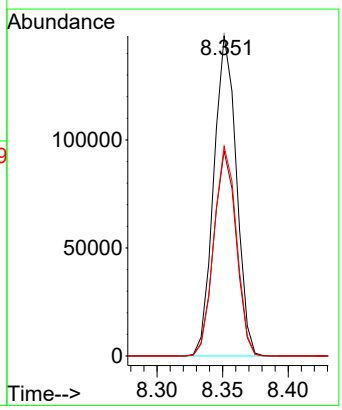


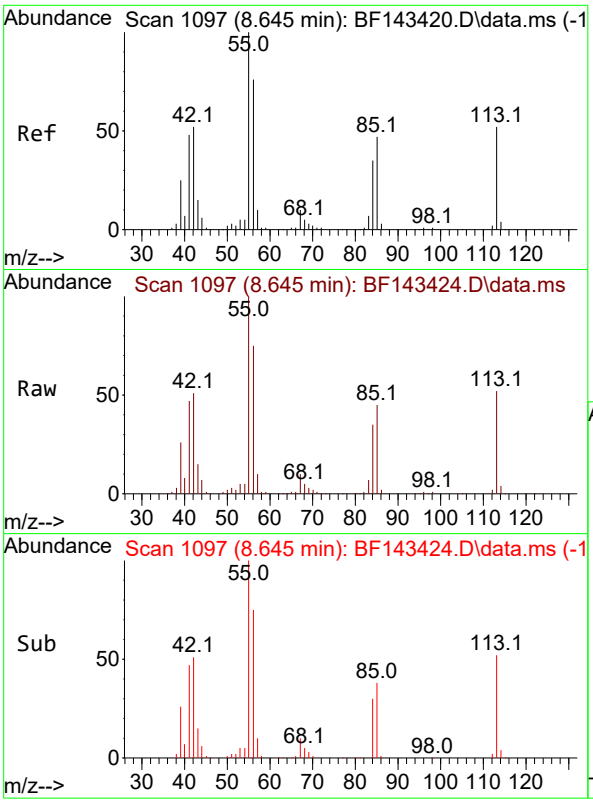


#34
Hexachlorobutadiene
Concen: 39.224 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:225 Resp: 177092

Ion	Ratio	Lower	Upper
225	100		
223	64.0	49.0	73.6
227	65.5	51.1	76.7



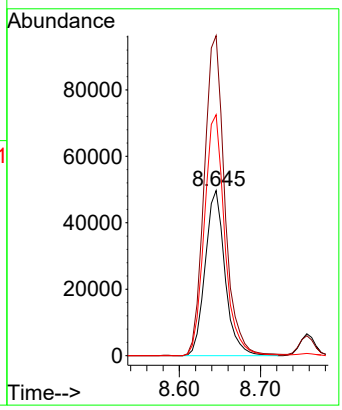


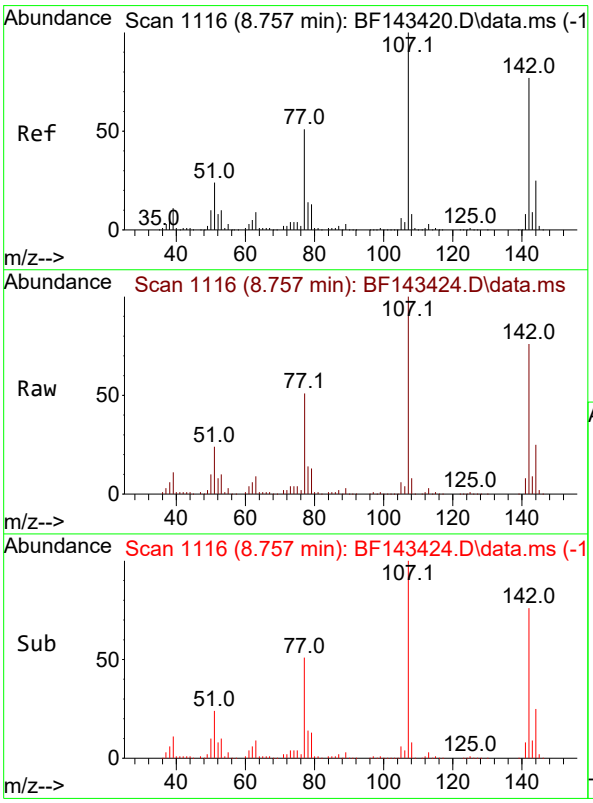
#35
Caprolactam
Concen: 42.330 ng
RT: 8.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:113 Resp: 84212

Ion	Ratio	Lower	Upper
113	100		
55	193.9	174.7	214.7
56	146.0	127.0	167.0

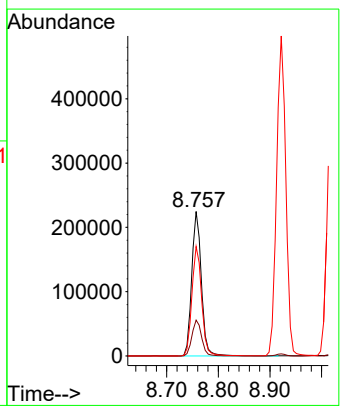


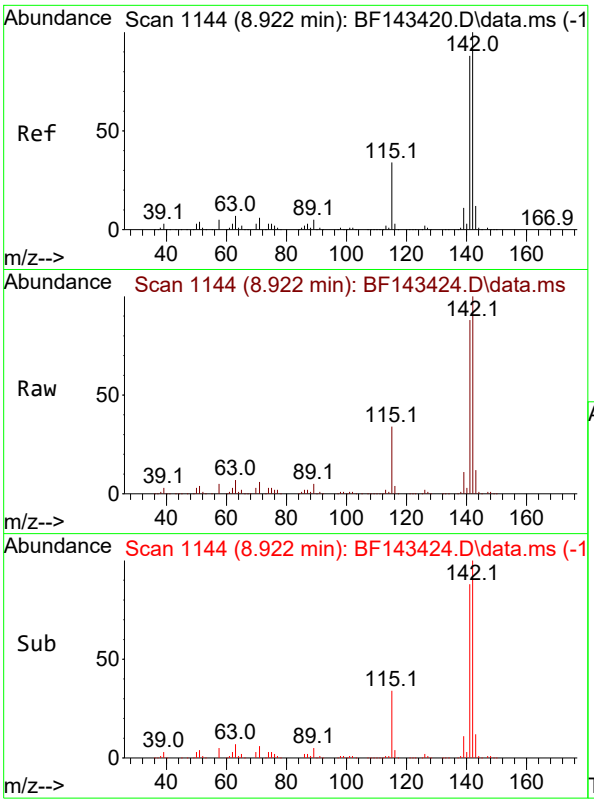


#36
4-Chloro-3-methylphenol
Concen: 40.997 ng
RT: 8.757 min Scan# 1116
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:107 Resp: 291765

Ion	Ratio	Lower	Upper
107	100		
144	24.9	20.2	30.2
142	75.7	62.0	93.0



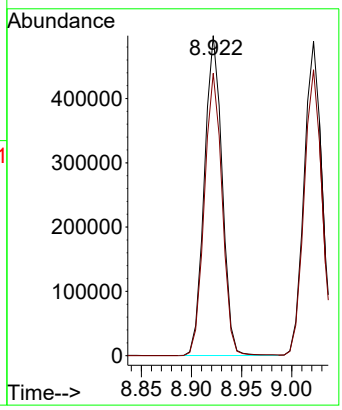


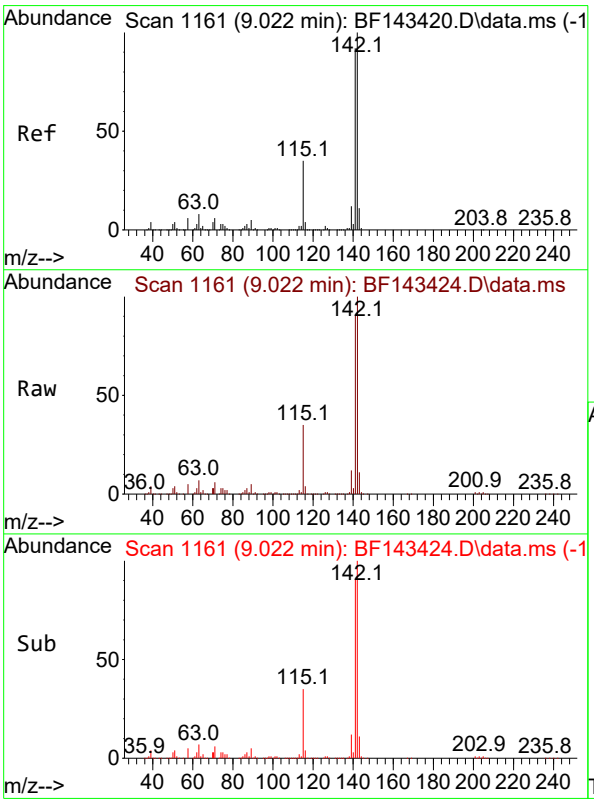
#37
2-Methylnaphthalene
Concen: 39.196 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:142 Resp: 615873

Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.3	105.5

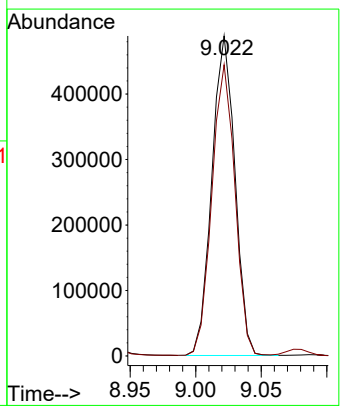


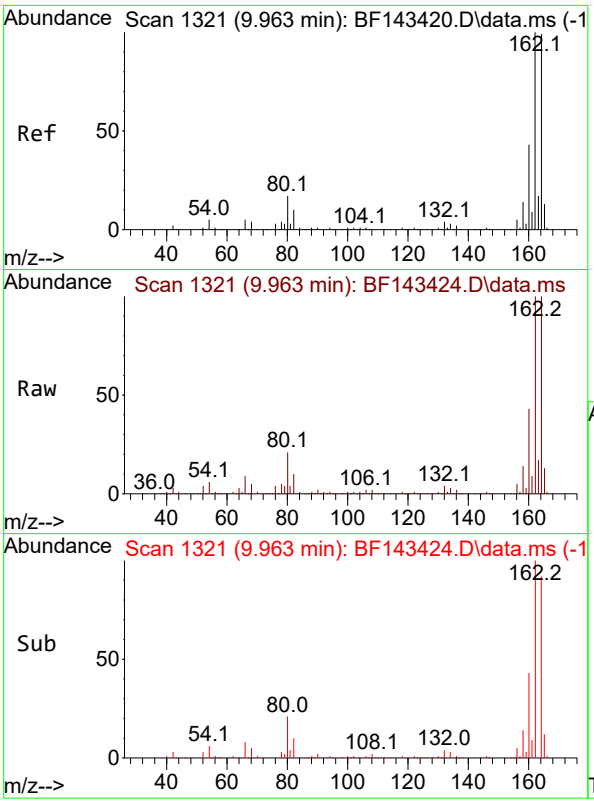


#38
1-Methylnaphthalene
Concen: 39.623 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:142 Resp: 596492

Ion	Ratio	Lower	Upper
142	100		
141	91.0	73.8	110.6



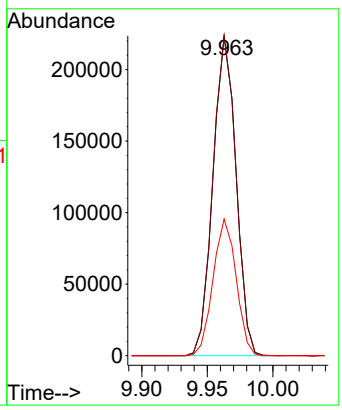


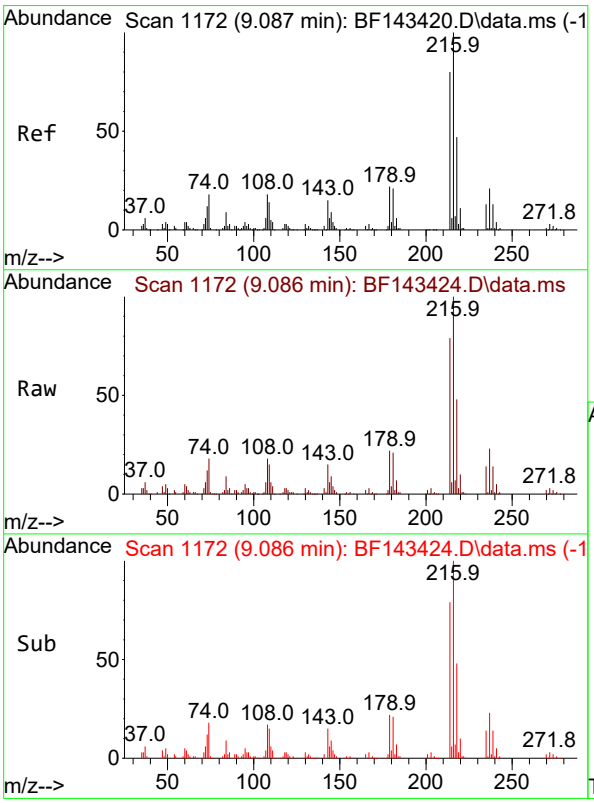
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:164 Resp: 272709

Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.6	121.0
160	42.8	34.6	51.8

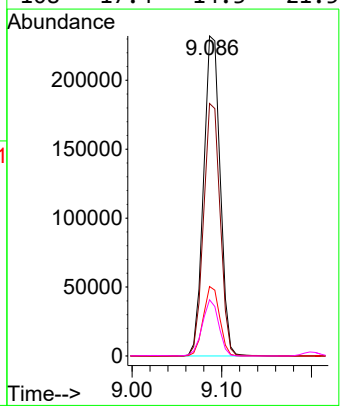


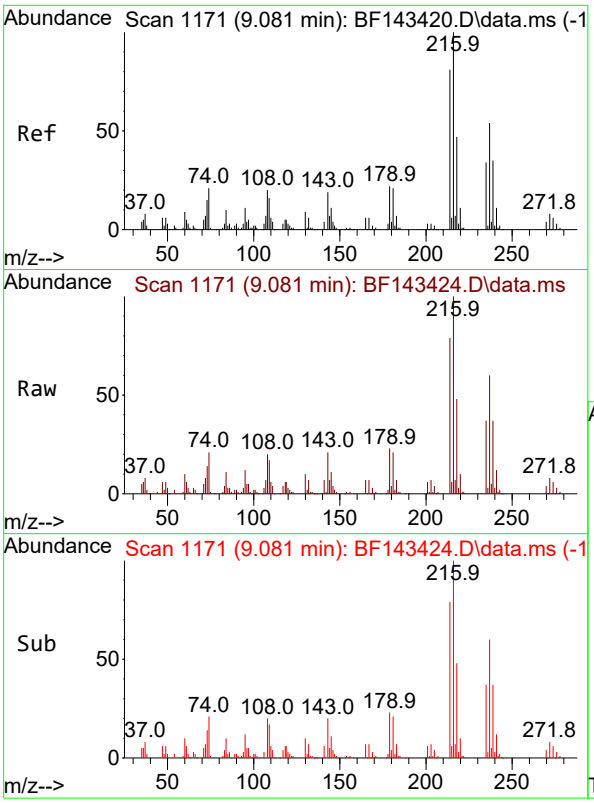


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.145 ng
RT: 9.086 min Scan# 1172
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:216 Resp: 297713

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.7	95.5
179	21.3	17.0	25.4
108	17.4	14.3	21.5



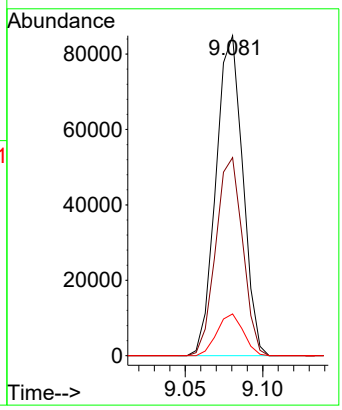


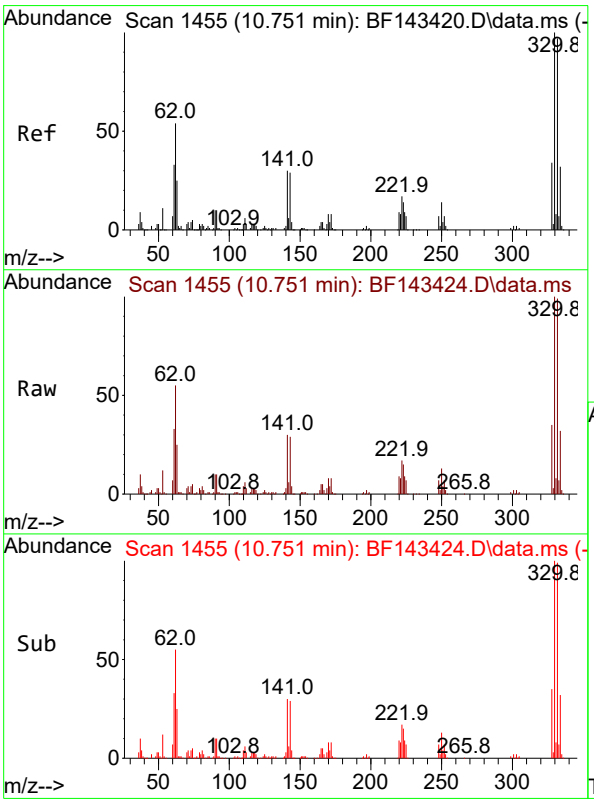
#41
Hexachlorocyclopentadiene
Concen: 40.416 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:237 Resp: 102238

Ion	Ratio	Lower	Upper
237	100		
235	61.9	41.6	81.6
272	13.0	0.0	33.8

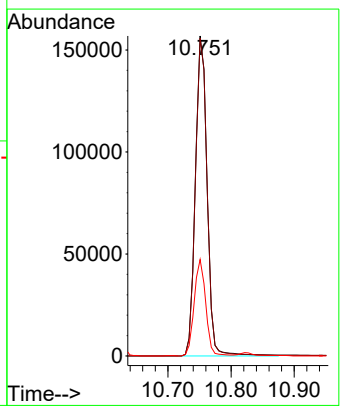


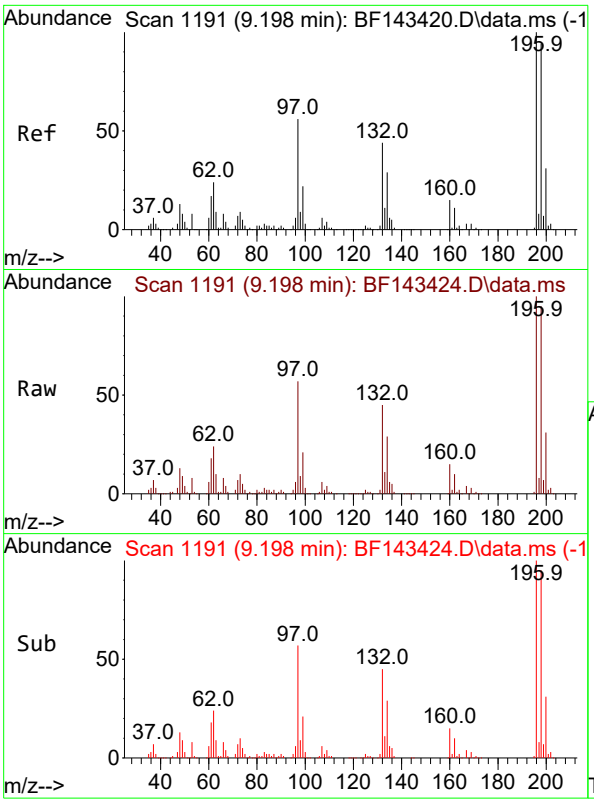


#42
2,4,6-Tribromophenol
Concen: 83.344 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:330 Resp: 202301

Ion	Ratio	Lower	Upper
330	100		
332	99.5	77.4	116.2
141	29.7	24.1	36.1



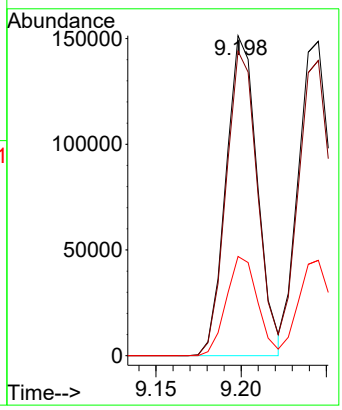


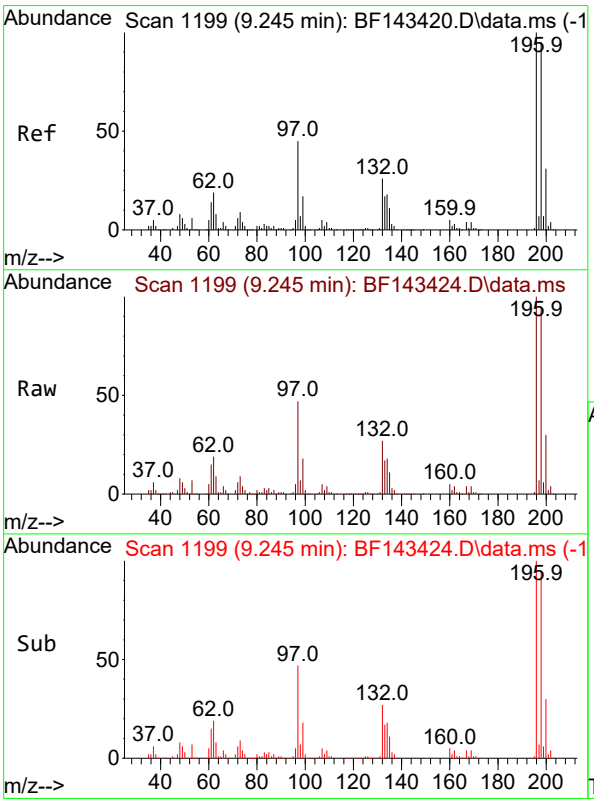
#43
2,4,6-Trichlorophenol
Concen: 40.774 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:196 Resp: 193444

Ion	Ratio	Lower	Upper
196	100		
198	95.1	75.4	113.2
200	31.0	24.7	37.1

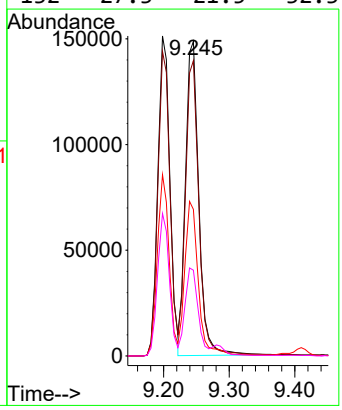


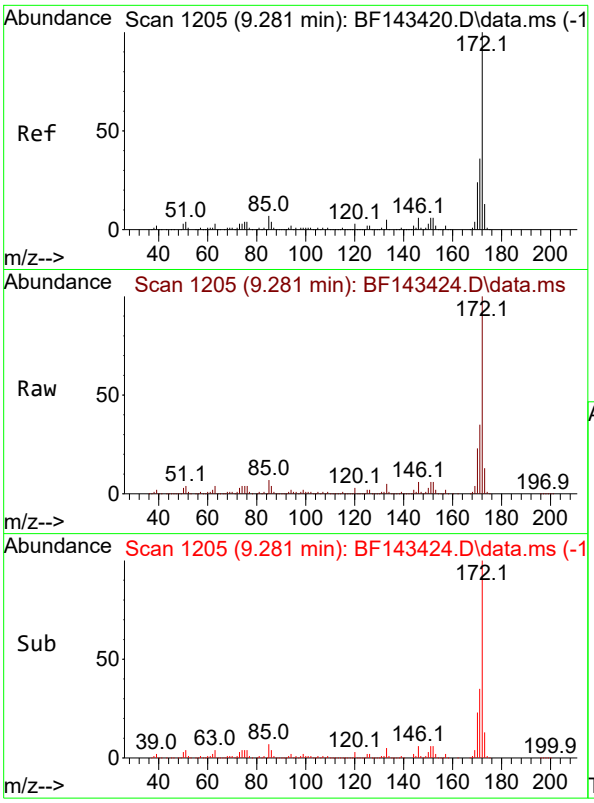


#44
2,4,5-Trichlorophenol
Concen: 41.305 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:196 Resp: 210061

Ion	Ratio	Lower	Upper
196	100		
198	93.9	76.2	114.4
97	46.6	36.6	55.0
132	27.3	21.5	32.3



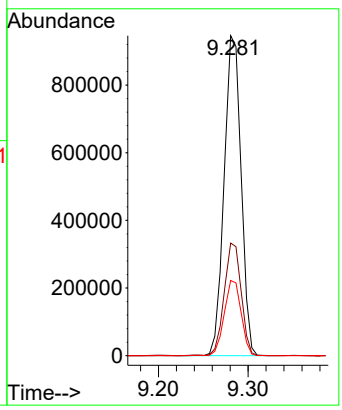


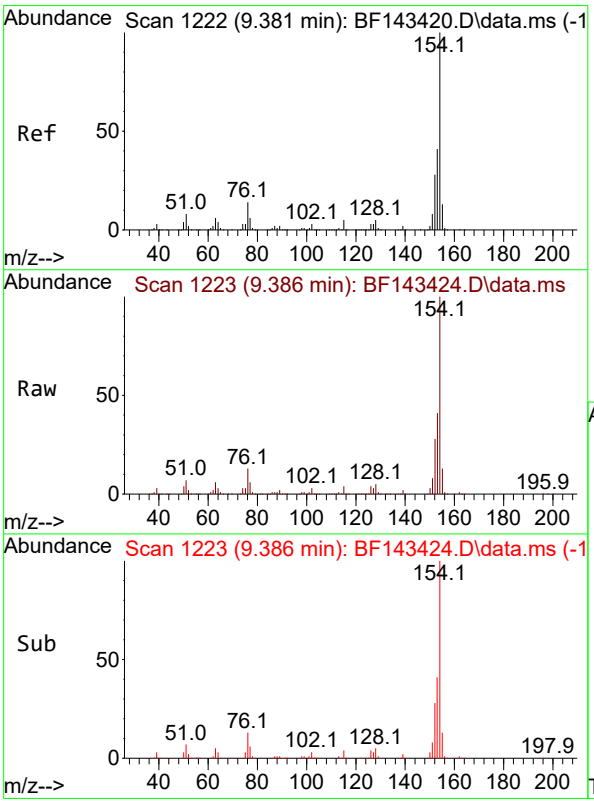
#45
2-Fluorobiphenyl
Concen: 76.538 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:172 Resp: 1240954

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.7	43.1
170	23.5	19.0	28.6

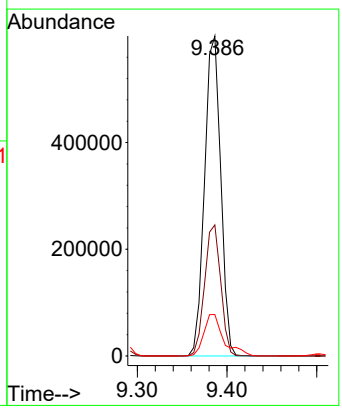


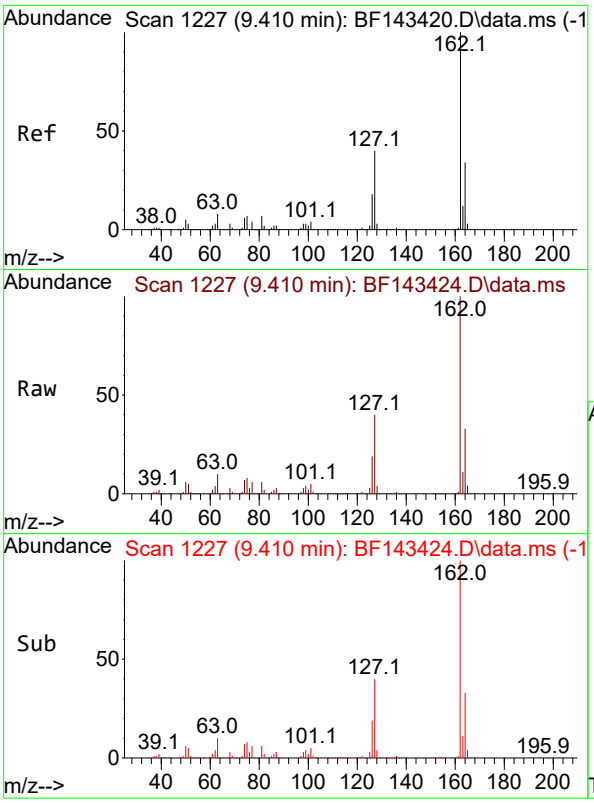


#46
1,1'-Biphenyl
Concen: 39.081 ng
RT: 9.386 min Scan# 1223
Delta R.T. 0.006 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:154 Resp: 748830

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.6	60.6
76	13.0	0.0	33.8



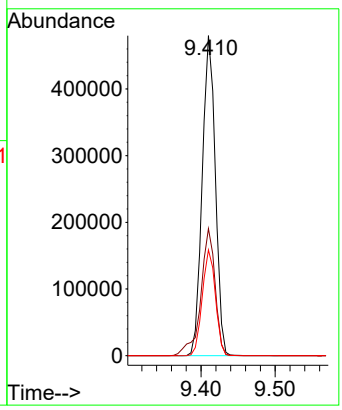


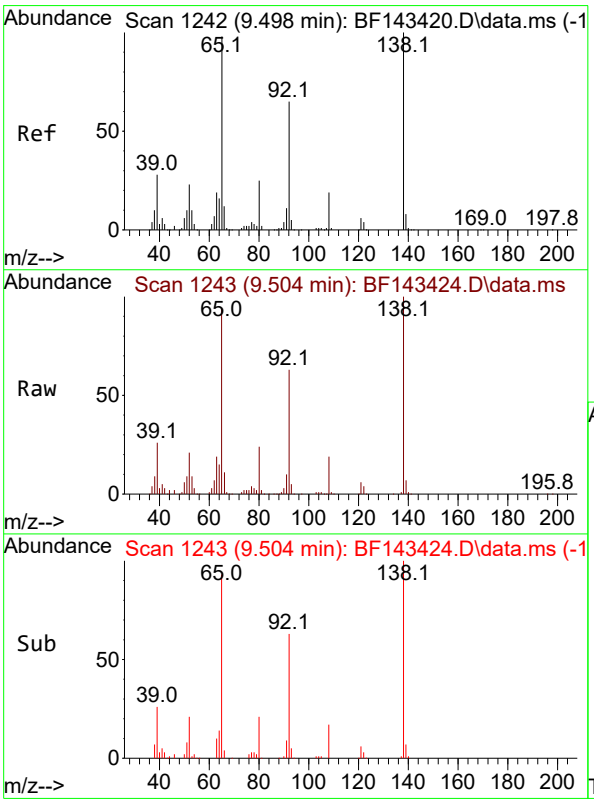
#47
2-Chloronaphthalene
Concen: 39.058 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:162 Resp: 590752

Ion	Ratio	Lower	Upper
162	100		
127	39.7	32.3	48.5
164	33.0	26.9	40.3

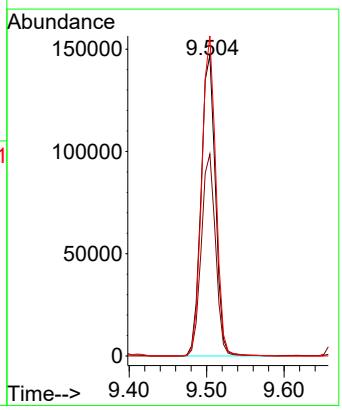


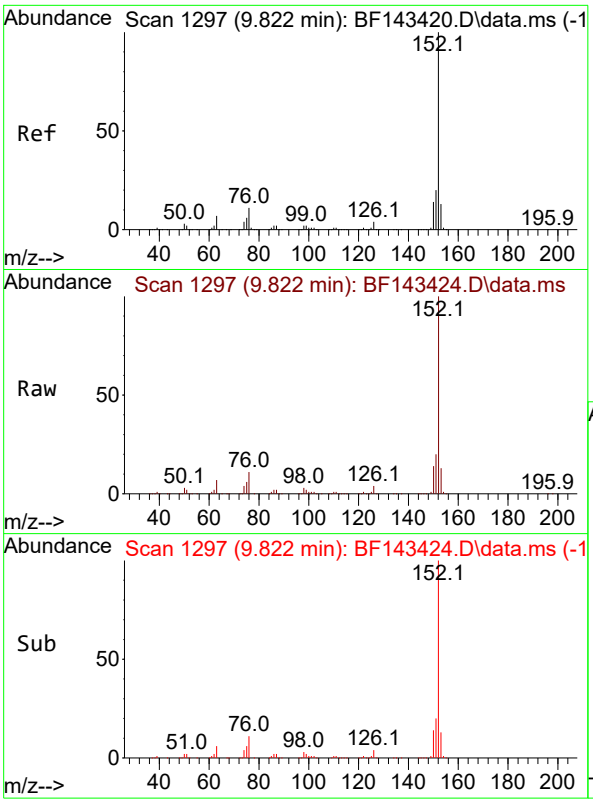


#48
2-Nitroaniline
Concen: 42.141 ng
RT: 9.504 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion: 65 Resp: 189676

Ion	Ratio	Lower	Upper
65	100		
92	67.1	52.9	79.3
138	106.4	81.3	121.9



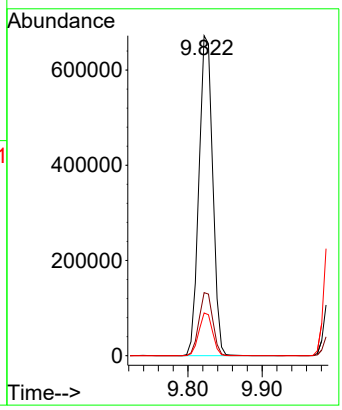


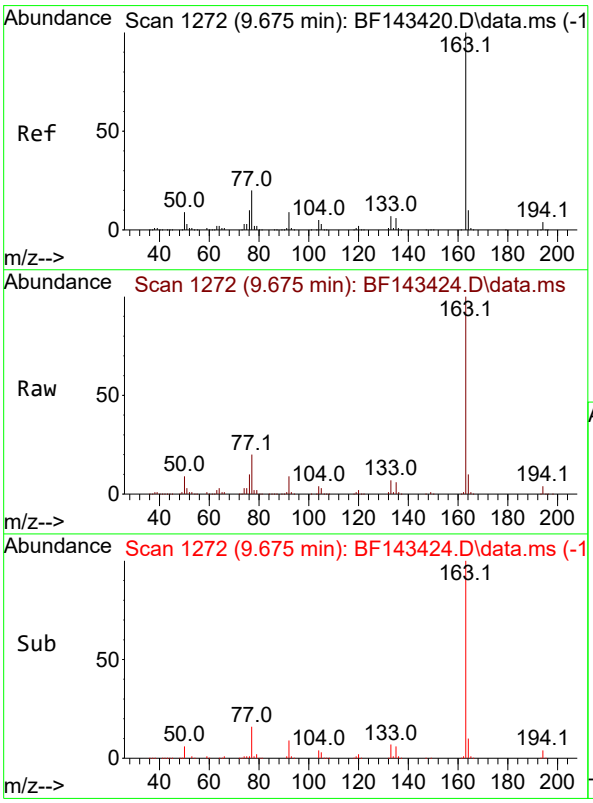
#49
Acenaphthylene
Concen: 39.677 ng
RT: 9.822 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:152 Resp: 866445

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.0	24.0
153	13.4	10.8	16.2

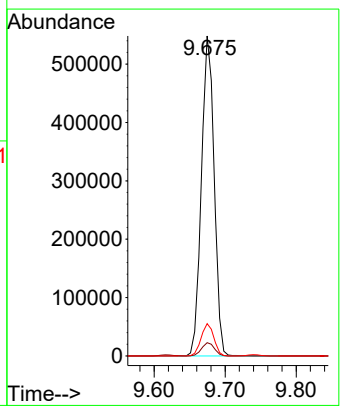


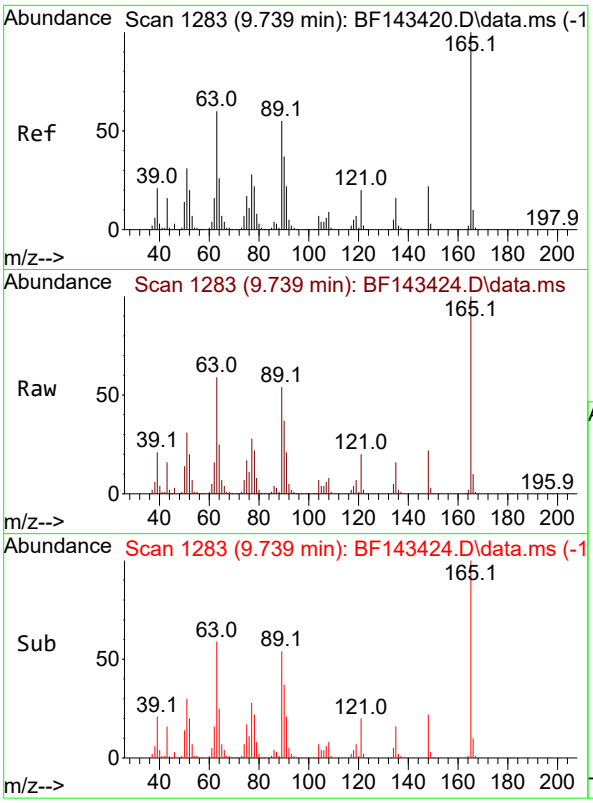


#50
Dimethylphthalate
Concen: 40.394 ng
RT: 9.675 min Scan# 1272
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:163 Resp: 686793

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.1	8.2	12.4



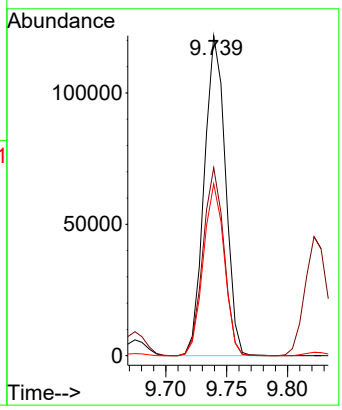


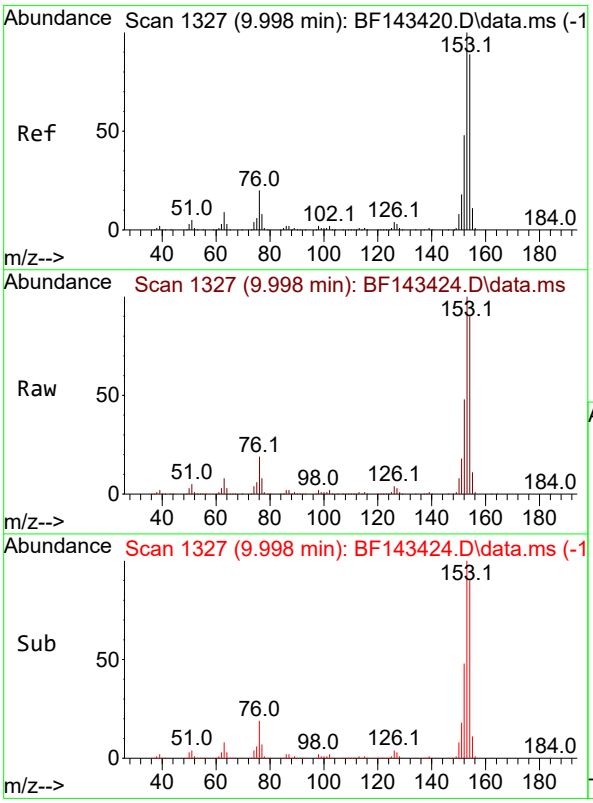
#51
2,6-Dinitrotoluene
Concen: 43.842 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:165 Resp: 146942

Ion	Ratio	Lower	Upper
165	100		
63	58.7	48.2	72.2
89	53.7	44.2	66.2

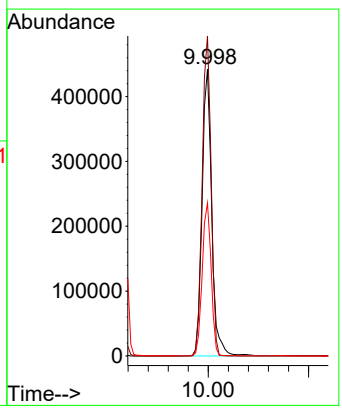


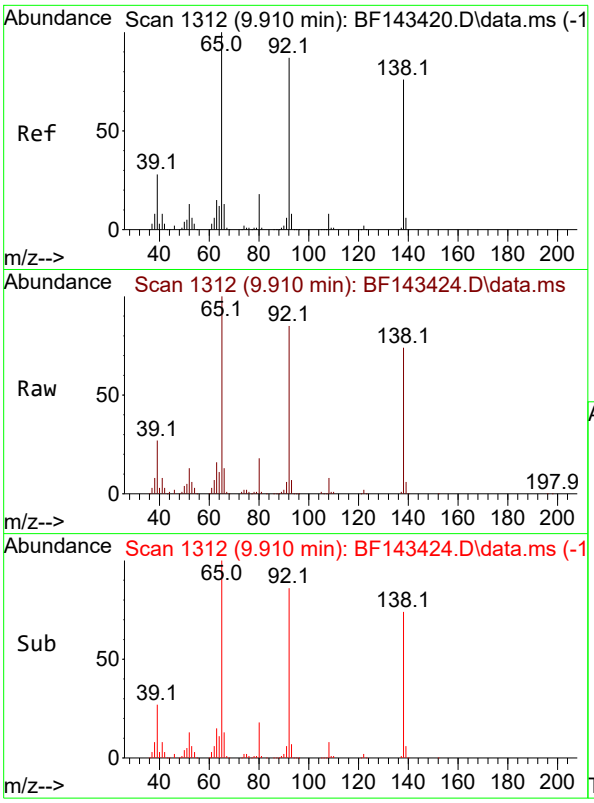


#52
Acenaphthene
Concen: 40.115 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:154 Resp: 589195

Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.5	134.3
152	53.4	42.6	64.0



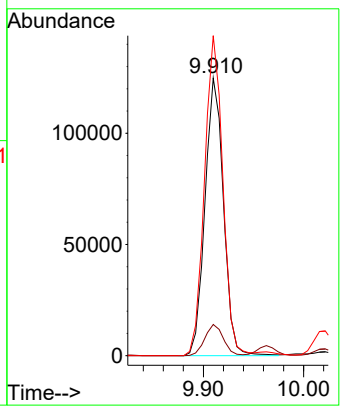


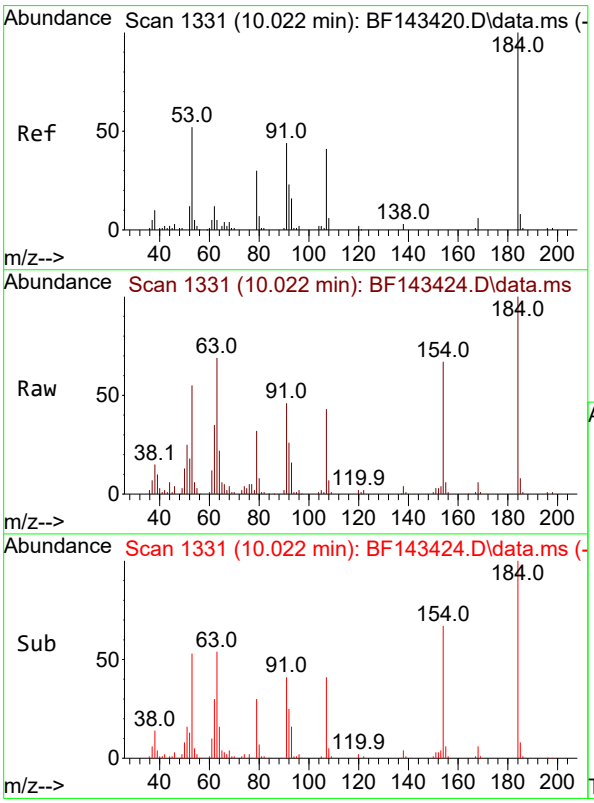
#53
3-Nitroaniline
Concen: 43.062 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:138 Resp: 160770

Ion	Ratio	Lower	Upper
138	100		
108	11.2	8.7	13.1
92	115.3	91.4	137.2

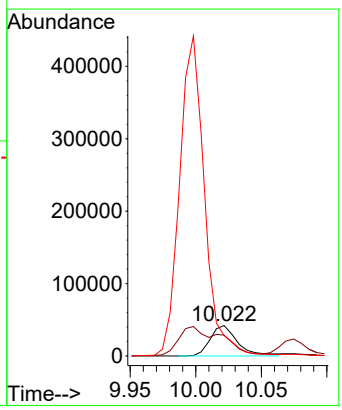


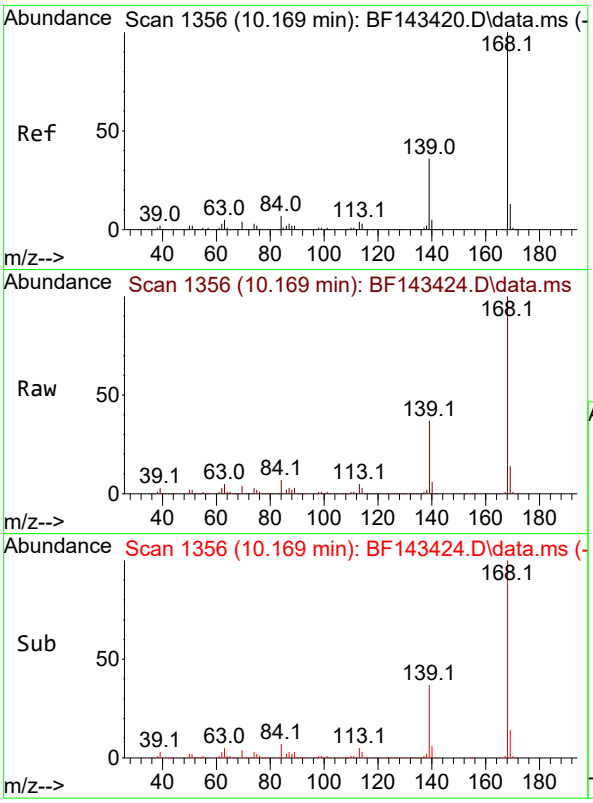


#54
2,4-Dinitrophenol
Concen: 41.967 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:184 Resp: 60785

Ion	Ratio	Lower	Upper
184	100		
63	68.6	53.2	79.8
154	67.0	51.3	76.9



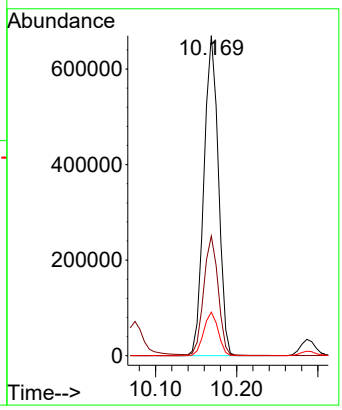


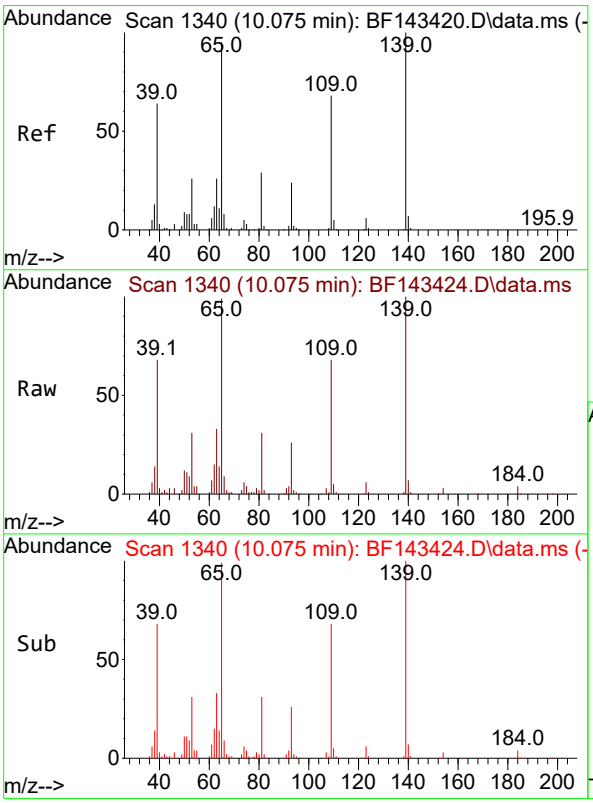
#55
Dibenzofuran
Concen: 39.033 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:168 Resp: 827034

Ion	Ratio	Lower	Upper
168	100		
139	37.4	29.3	43.9
169	13.6	10.8	16.2

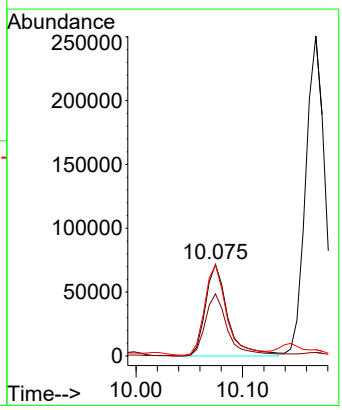


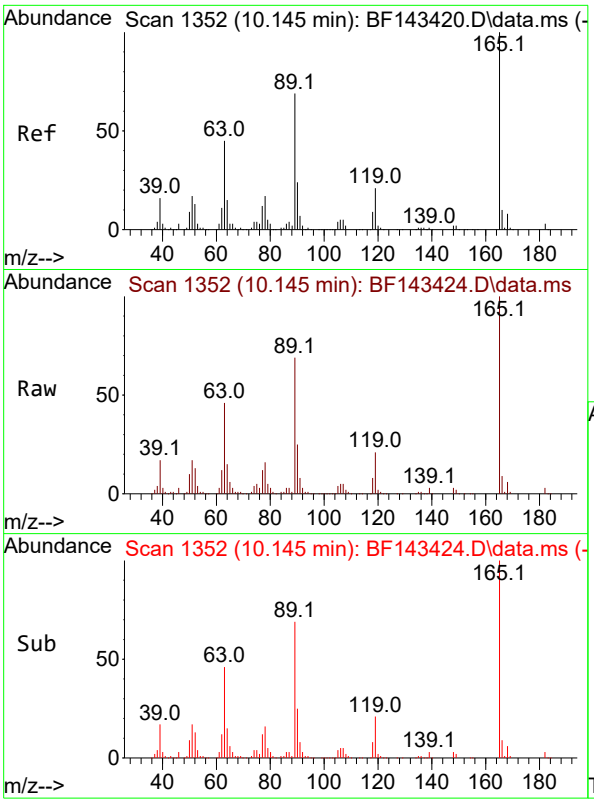


#56
4-Nitrophenol
Concen: 44.464 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:139 Resp: 104368

Ion	Ratio	Lower	Upper
139	100		
109	67.7	47.7	87.7
65	99.2	76.4	116.4



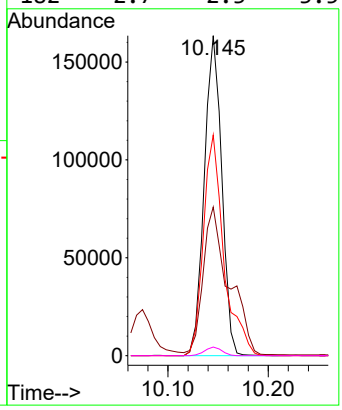


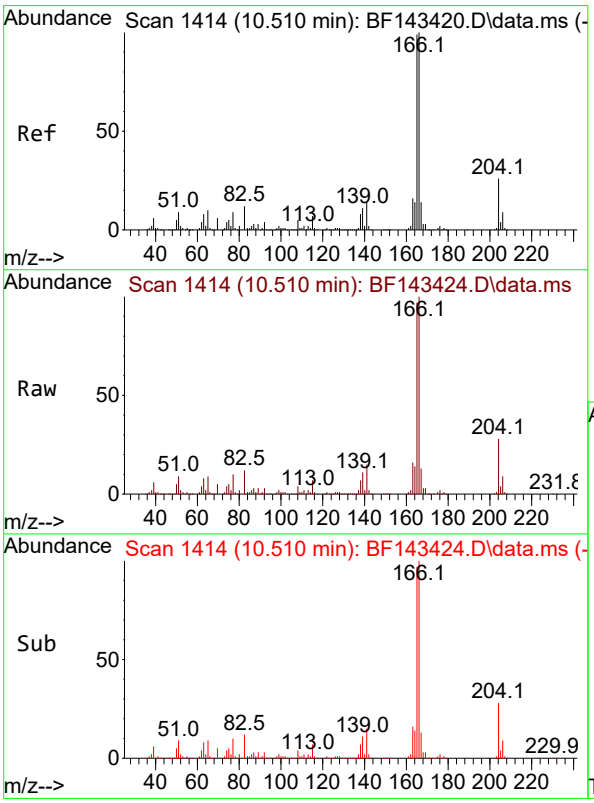
#57
2,4-Dinitrotoluene
Concen: 44.386 ng
RT: 10.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:165 Resp: 198343

Ion	Ratio	Lower	Upper
165	100		
63	46.4	37.0	55.6
89	68.9	55.4	83.0
182	2.7	2.3	3.5

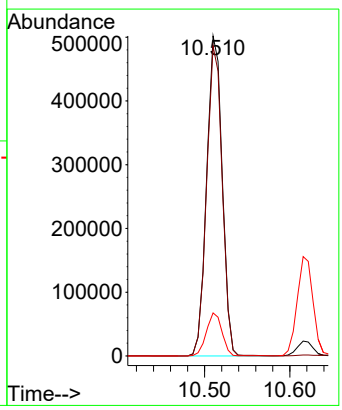


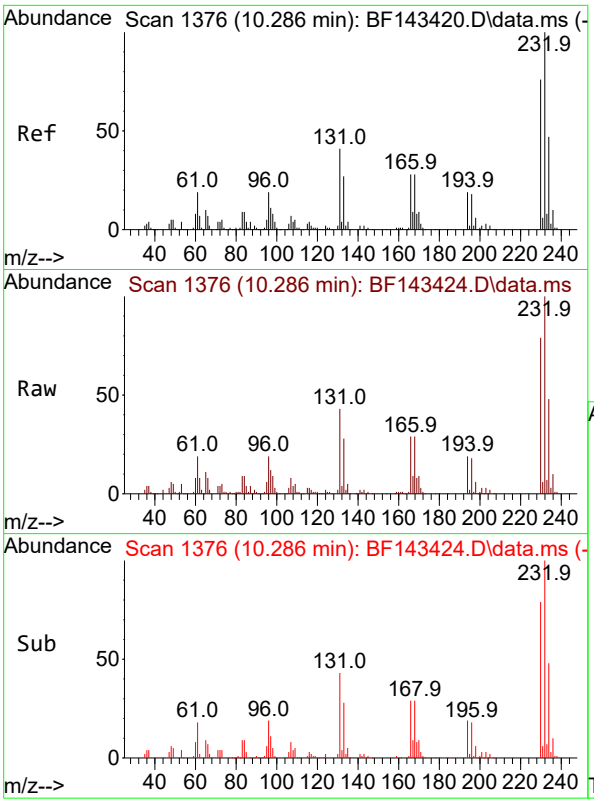


#58
Fluorene
Concen: 39.070 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:166 Resp: 635952

Ion	Ratio	Lower	Upper
166	100		
165	96.8	79.0	118.6
167	13.5	10.9	16.3



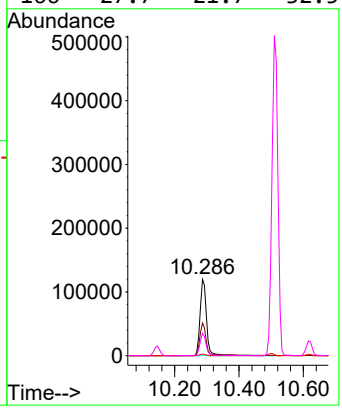


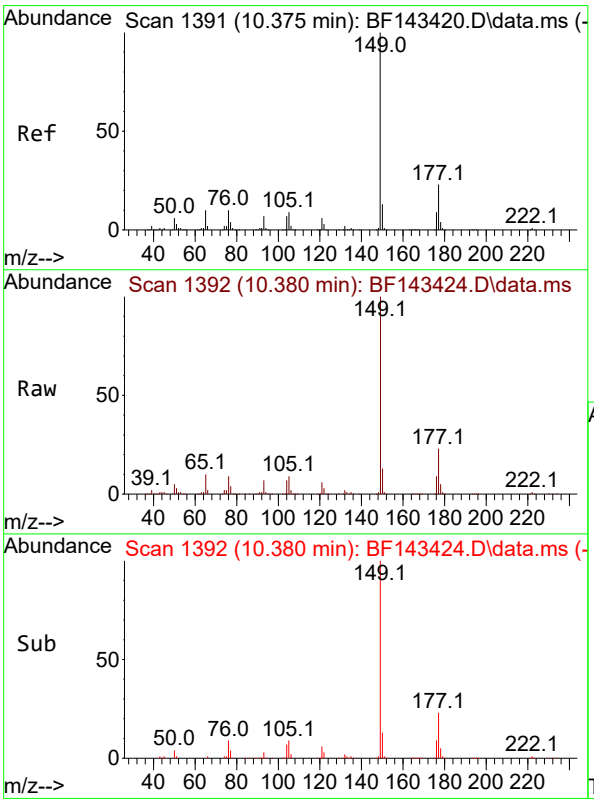
#59
2,3,4,6-Tetrachlorophenol
Concen: 43.424 ng
RT: 10.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:232 Resp: 167166

Ion	Ratio	Lower	Upper
232	100		
131	40.7	32.0	48.0
130	1.9	1.7	2.5
166	27.7	21.7	32.5

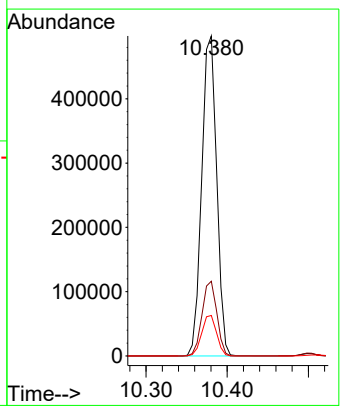


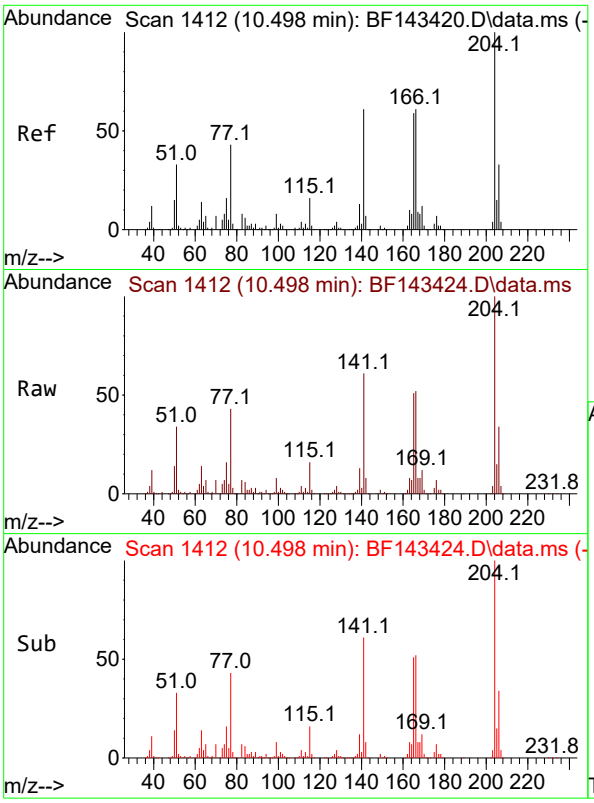


#60
Diethylphthalate
Concen: 40.514 ng
RT: 10.380 min Scan# 1392
Delta R.T. 0.006 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:149 Resp: 636541

Ion	Ratio	Lower	Upper
149	100		
177	23.4	18.2	27.4
150	12.6	10.1	15.1



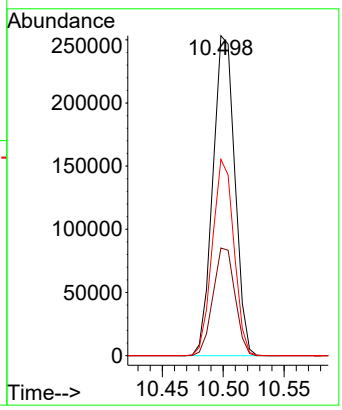


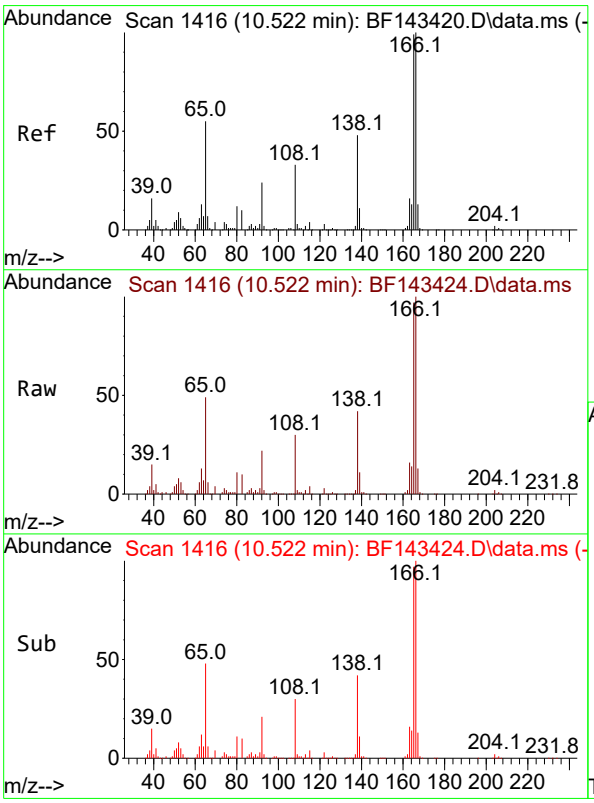
#61
4-Chlorophenyl-phenylether
Concen: 39.533 ng
RT: 10.498 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:204 Resp: 318141

Ion	Ratio	Lower	Upper
204	100		
206	33.7	26.5	39.7
141	61.3	49.0	73.4

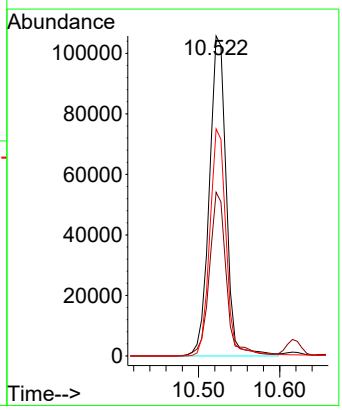


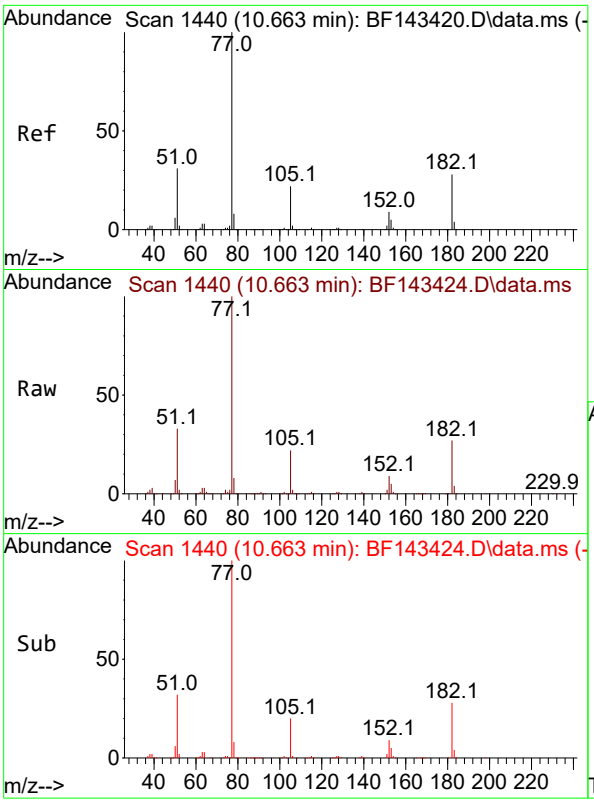


#62
4-Nitroaniline
Concen: 43.604 ng
RT: 10.522 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:138 Resp: 152248

Ion	Ratio	Lower	Upper
138	100		
92	51.2	29.4	69.4
108	71.0	48.6	88.6



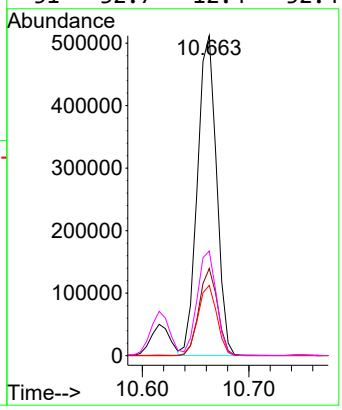


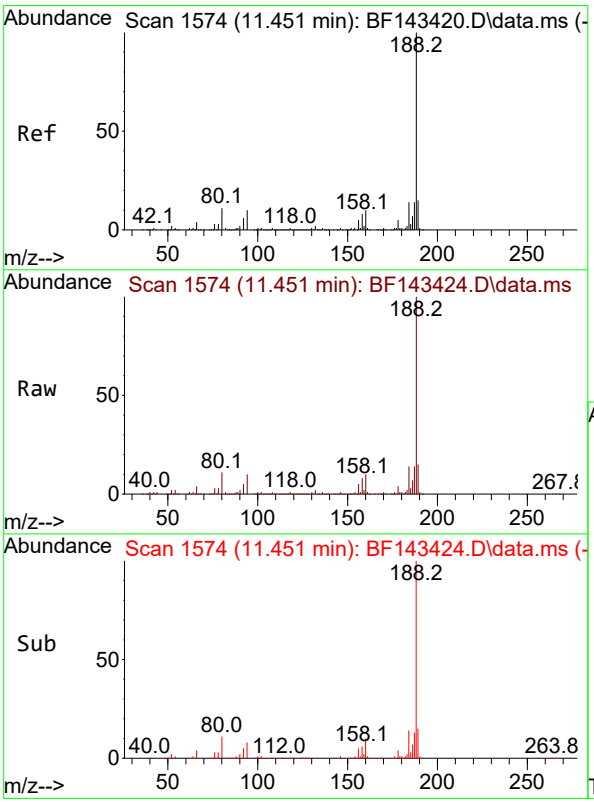
#63
Azobenzene
Concen: 40.143 ng
RT: 10.663 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion: 77 Resp: 637467

Ion	Ratio	Lower	Upper
77	100		
182	27.2	7.4	47.4
105	21.9	1.7	41.7
51	32.7	12.4	52.4

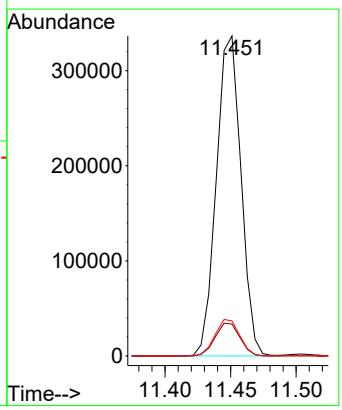


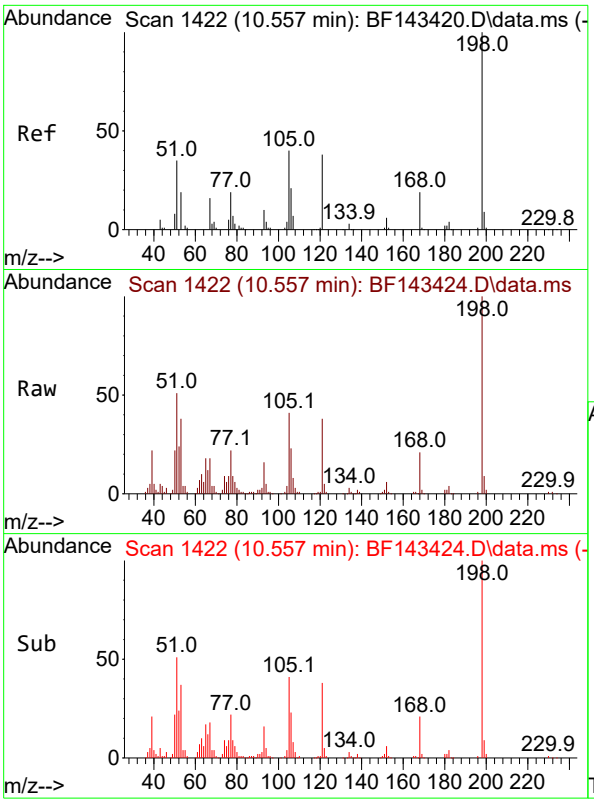


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:188 Resp: 440330

Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.0	12.0
80	10.9	8.6	12.8



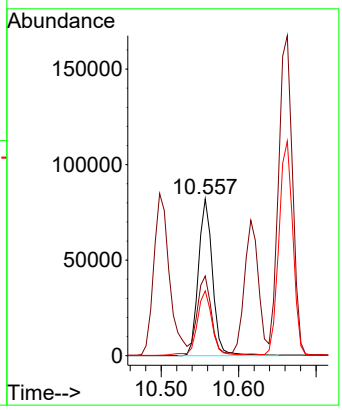


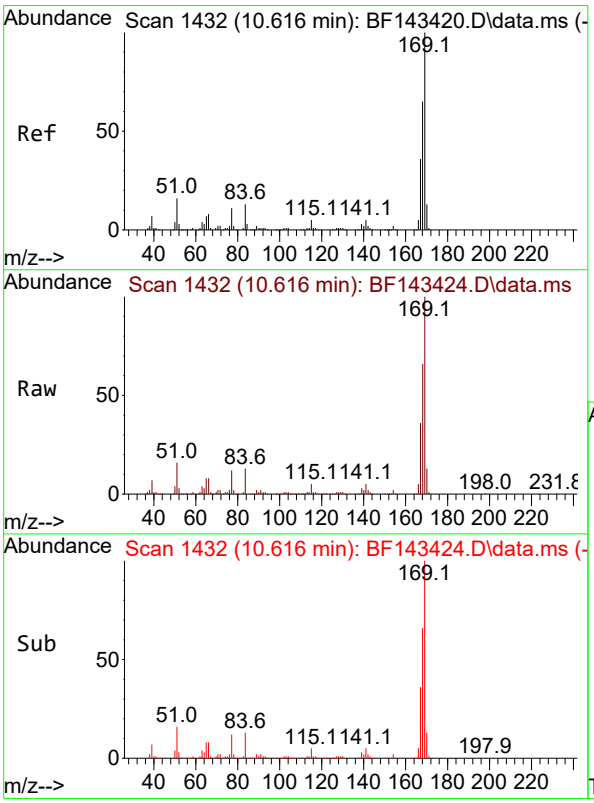
#65
4,6-Dinitro-2-methylphenol
Concen: 45.779 ng
RT: 10.557 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:198 Resp: 104008

Ion	Ratio	Lower	Upper
198	100		
51	50.8	31.2	71.2
105	41.3	21.7	61.7

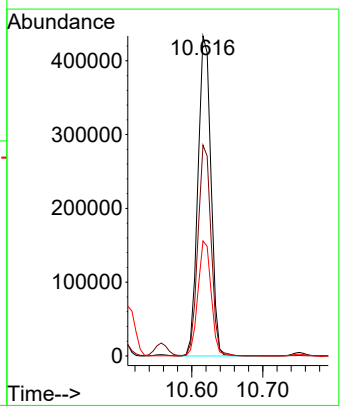


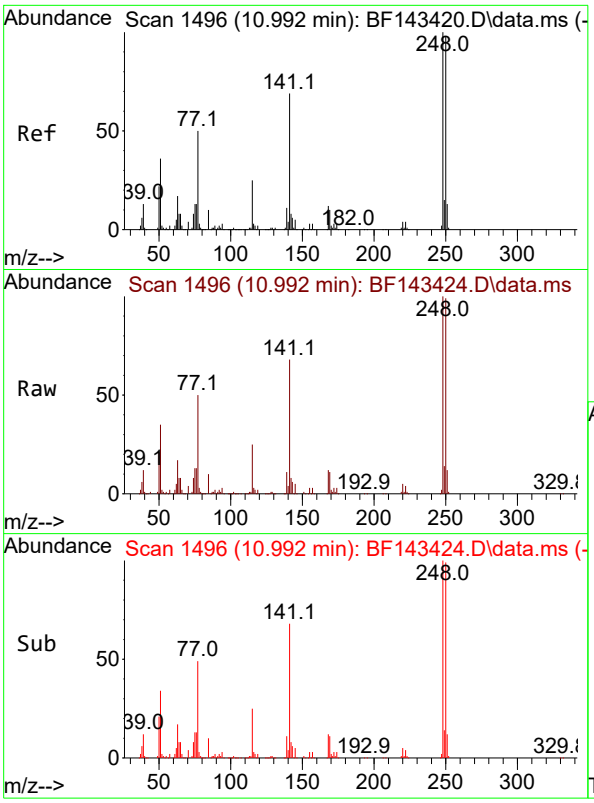


#66
n-Nitrosodiphenylamine
Concen: 38.734 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:169 Resp: 554575

Ion	Ratio	Lower	Upper
169	100		
168	65.9	52.5	78.7
167	36.0	28.6	42.8



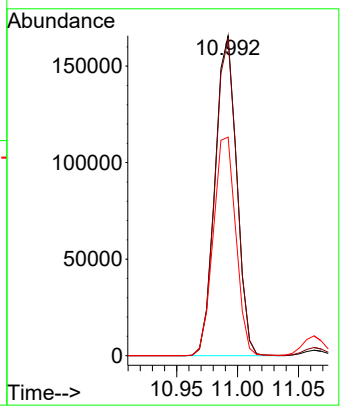


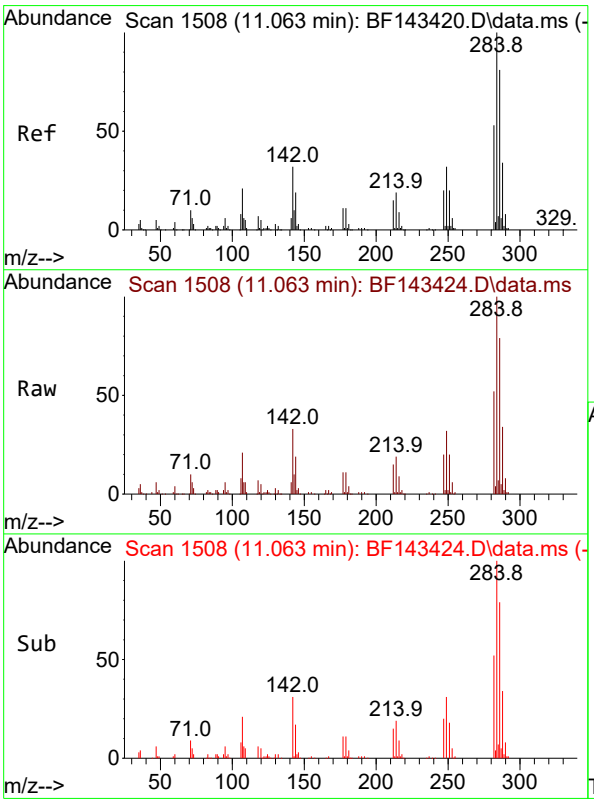
#67
4-Bromophenyl-phenylether
Concen: 39.547 ng
RT: 10.992 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:248 Resp: 205635

Ion	Ratio	Lower	Upper
248	100		
250	99.0	78.6	118.0
141	68.3	54.9	82.3

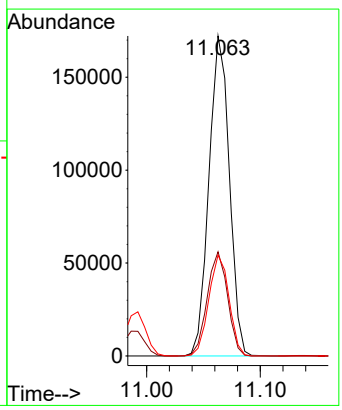


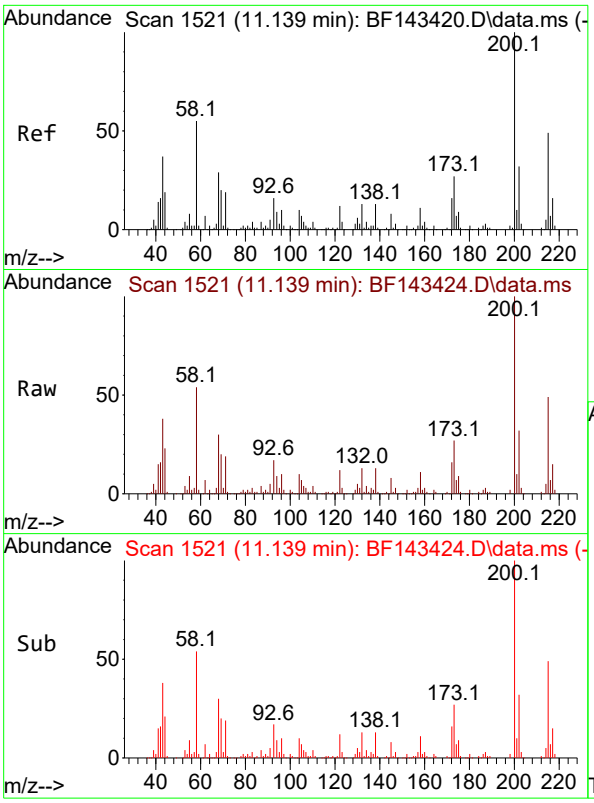


#68
Hexachlorobenzene
Concen: 38.923 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:284 Resp: 215158

Ion	Ratio	Lower	Upper
284	100		
142	32.5	25.4	38.2
249	31.5	25.4	38.0



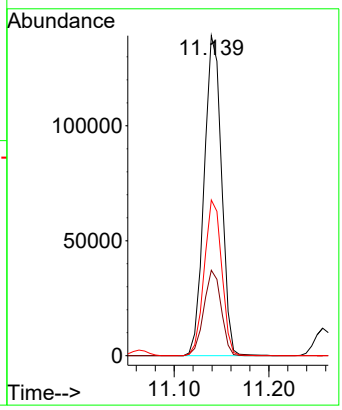


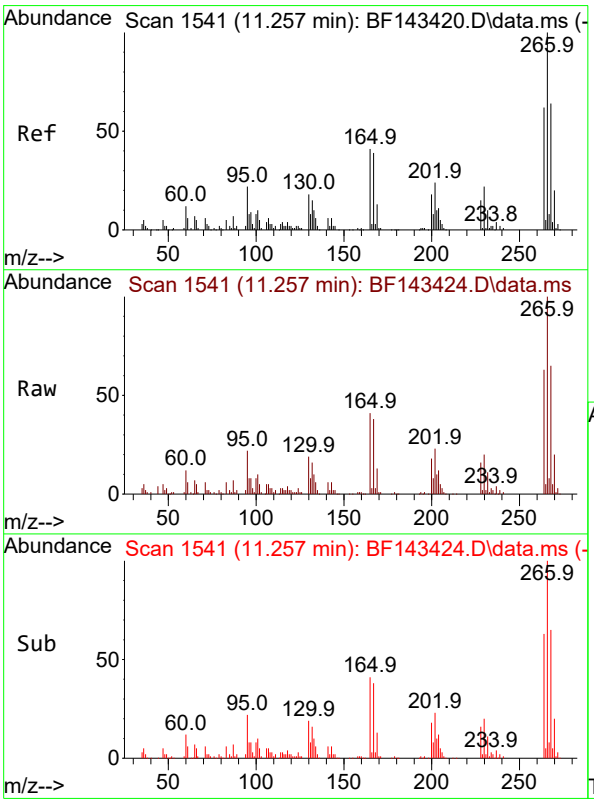
#69
Atrazine
Concen: 42.361 ng
RT: 11.139 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:200 Resp: 177396

Ion	Ratio	Lower	Upper
200	100		
173	26.7	6.6	46.6
215	48.6	29.5	69.5

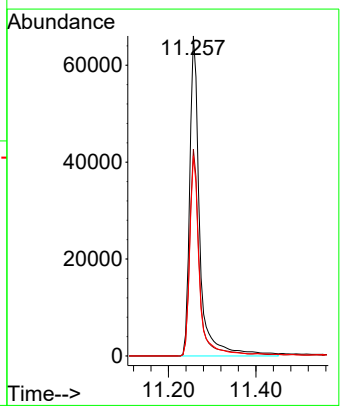


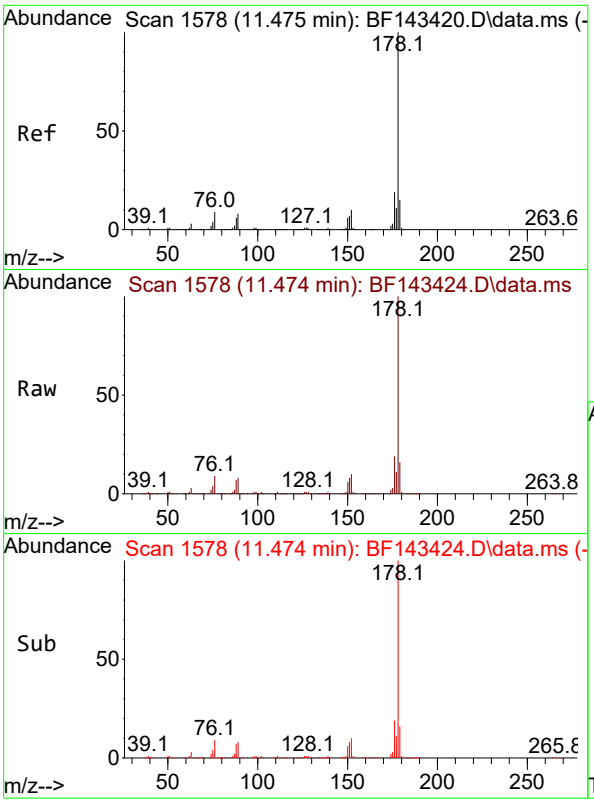


#70
Pentachlorophenol
Concen: 43.486 ng
RT: 11.257 min Scan# 1541
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:266 Resp: 105712

Ion	Ratio	Lower	Upper
266	100		
268	64.6	51.0	76.6
264	62.6	49.3	73.9



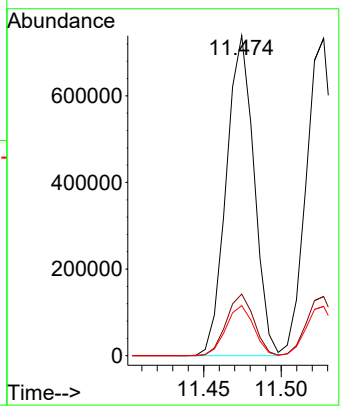


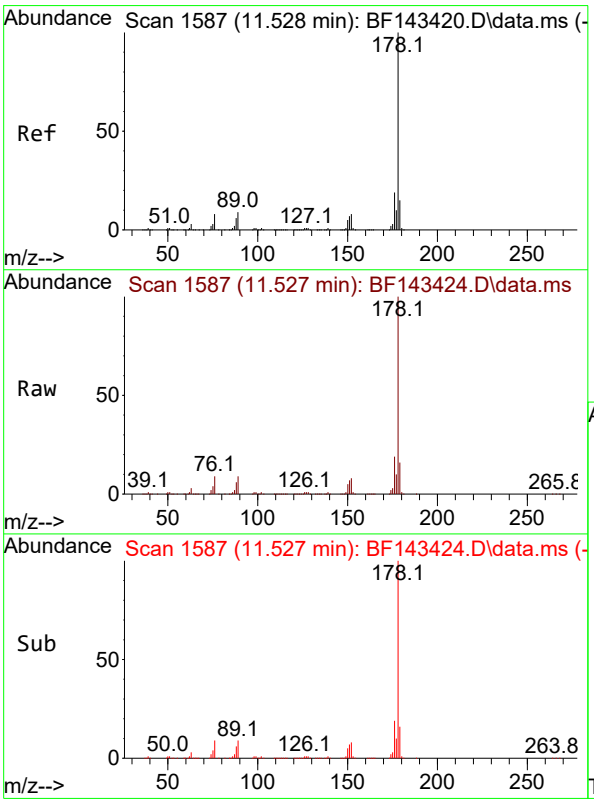
#71
Phenanthrene
Concen: 38.568 ng
RT: 11.474 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:178 Resp: 919627

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.7	12.3	18.5

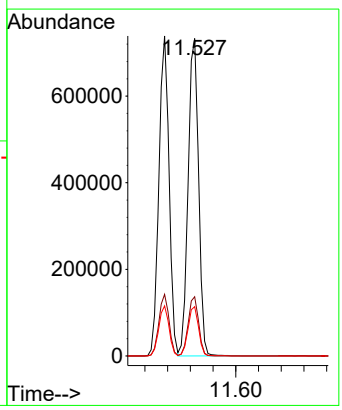


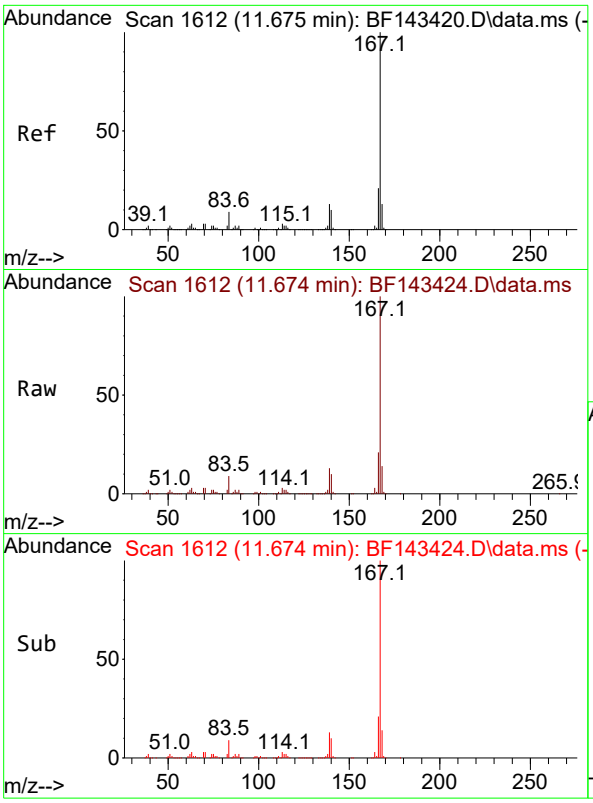


#72
Anthracene
Concen: 38.935 ng
RT: 11.527 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:178 Resp: 937696

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.8	22.2
179	15.5	12.2	18.4



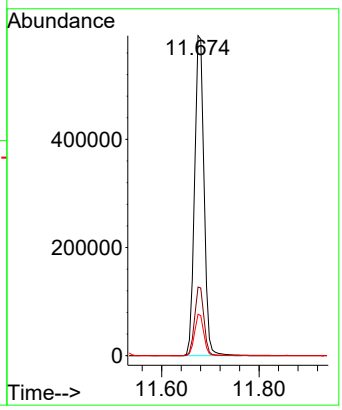


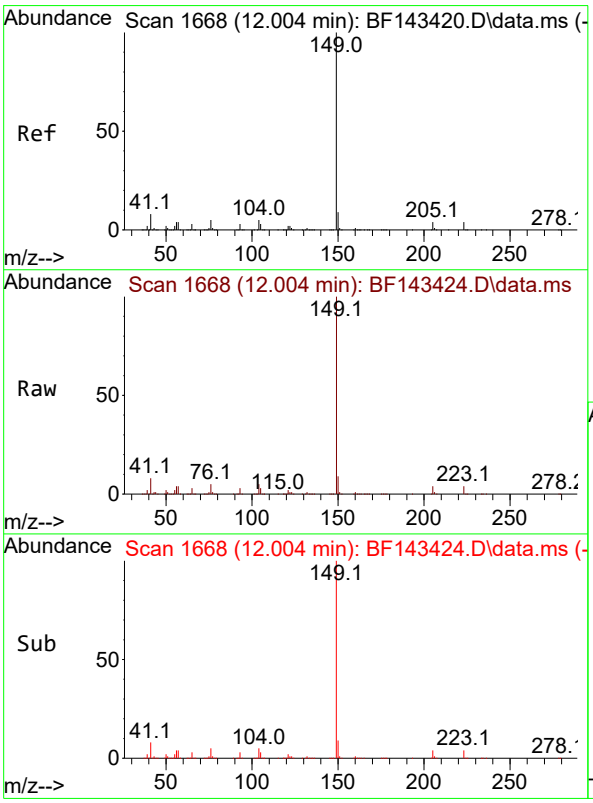
#73
Carbazole
Concen: 39.480 ng
RT: 11.674 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:167 Resp: 804170

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.2	25.8
139	13.0	10.1	15.1

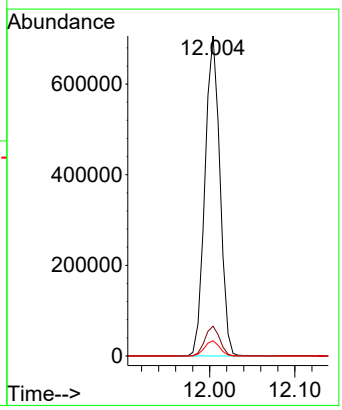


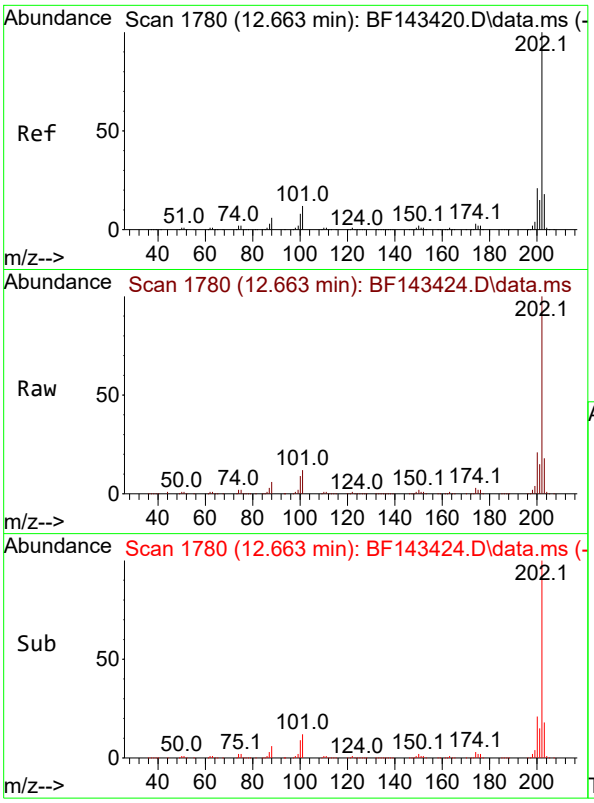


#74
Di-n-butylphthalate
Concen: 42.379 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:149 Resp: 859613

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.3	10.9
104	4.8	3.8	5.6



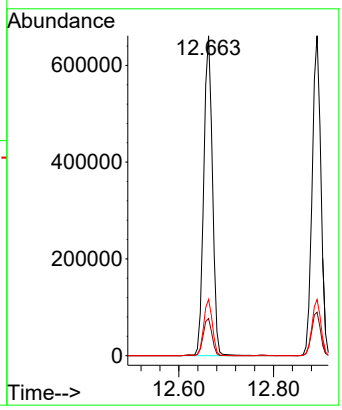


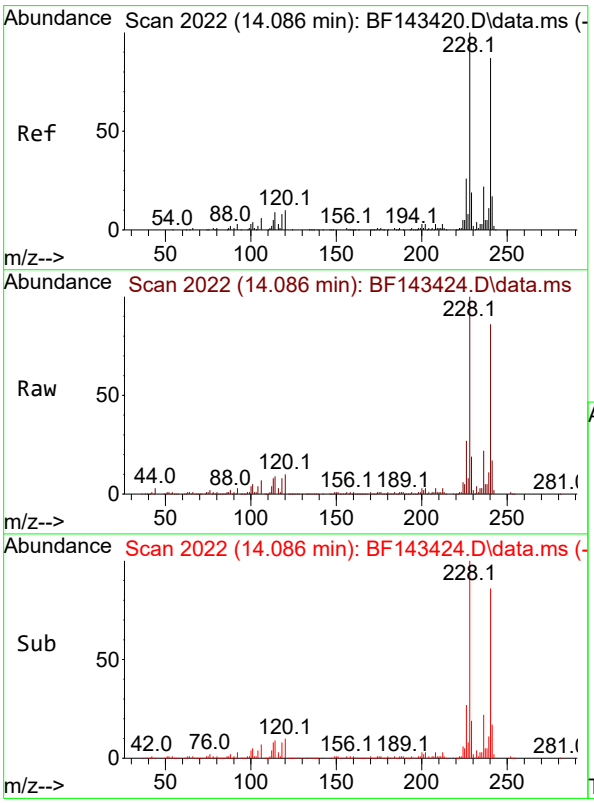
#75
Fluoranthene
Concen: 39.770 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:202 Resp: 842615

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.5
203	17.6	0.0	37.5

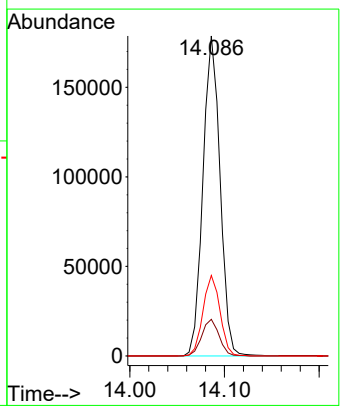


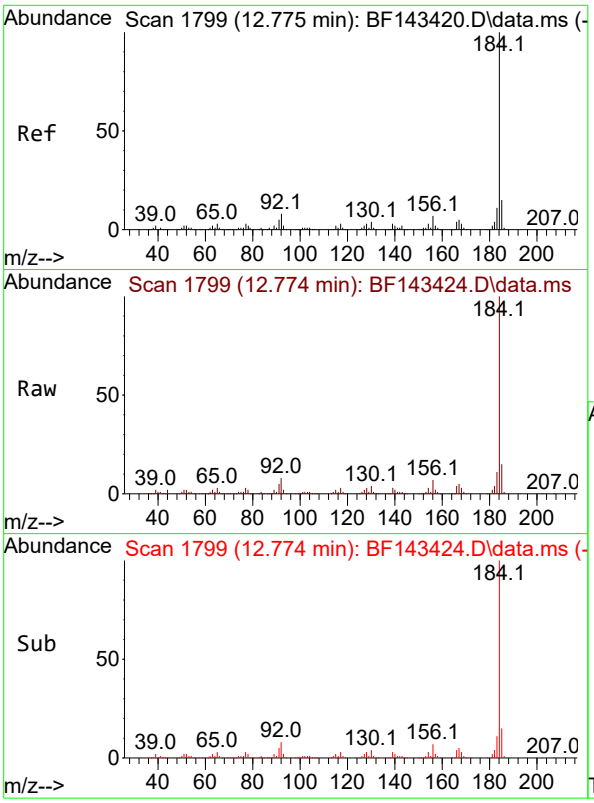


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:240 Resp: 224321

Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.0	13.4
236	25.1	20.2	30.2



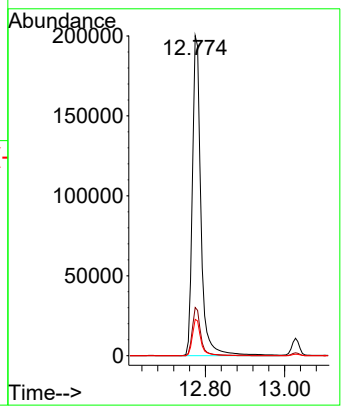


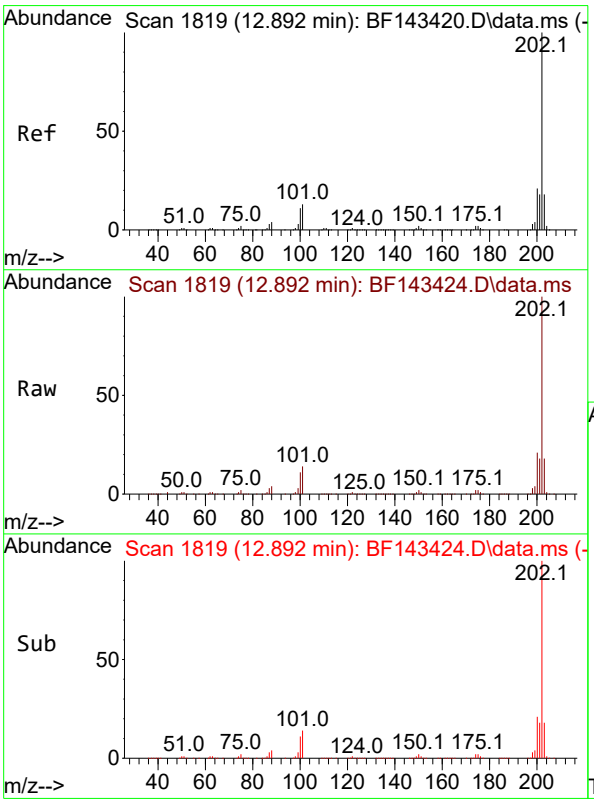
#77
Benzidine
Concen: 47.400 ng
RT: 12.774 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:184 Resp: 301000

Ion	Ratio	Lower	Upper
184	100		
185	15.0	12.2	18.2
183	11.4	9.2	13.8

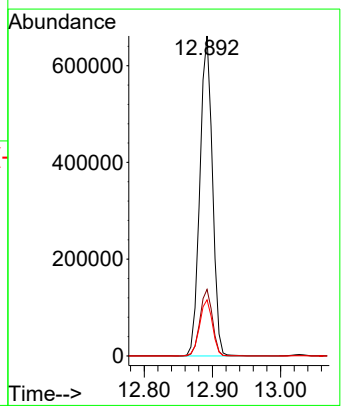


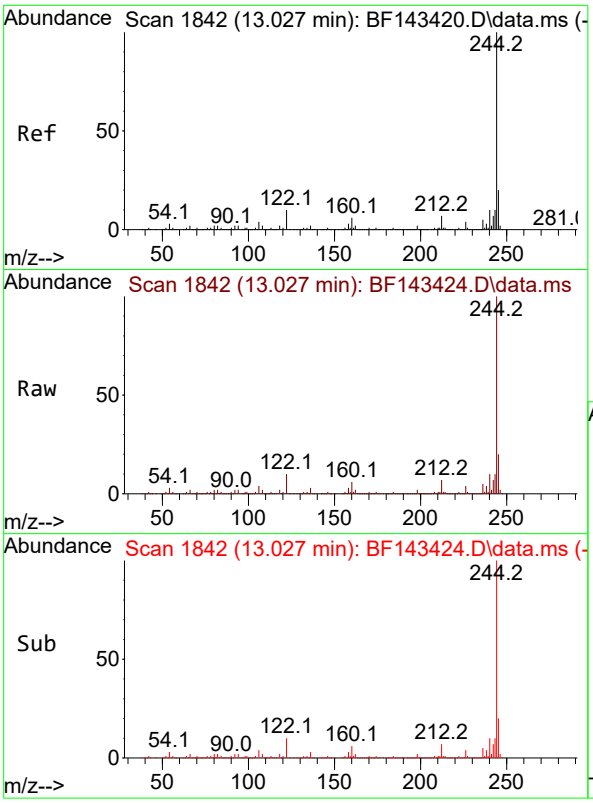


#78
Pyrene
Concen: 43.363 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:202 Resp: 845466

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.1	25.7
203	17.6	14.2	21.2



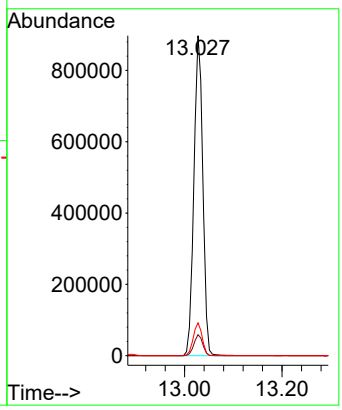


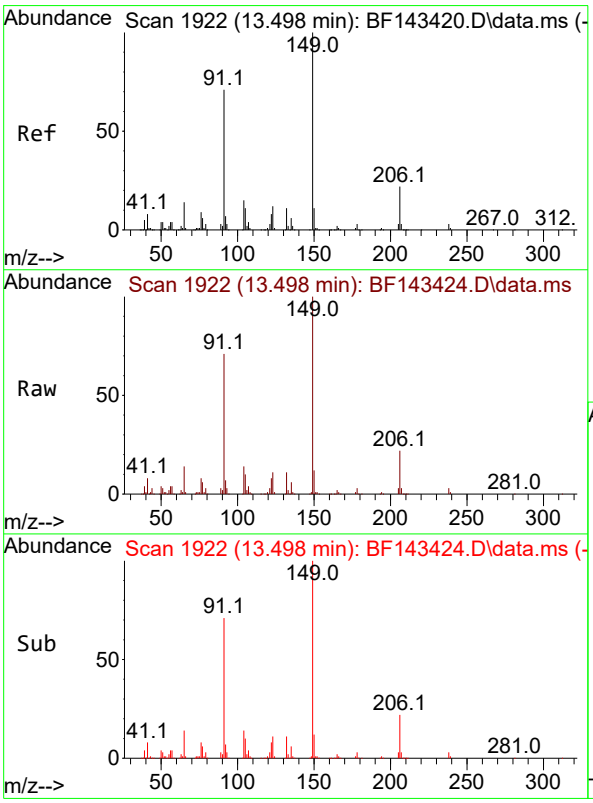
#79
Terphenyl-d14
Concen: 85.853 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:244 Resp: 1146442

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	10.3	8.3	12.5

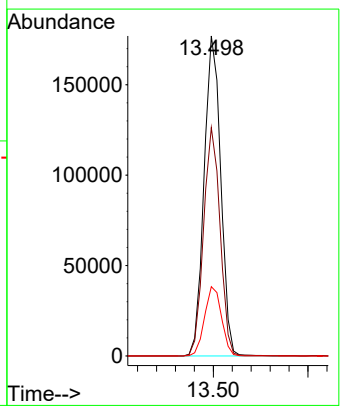


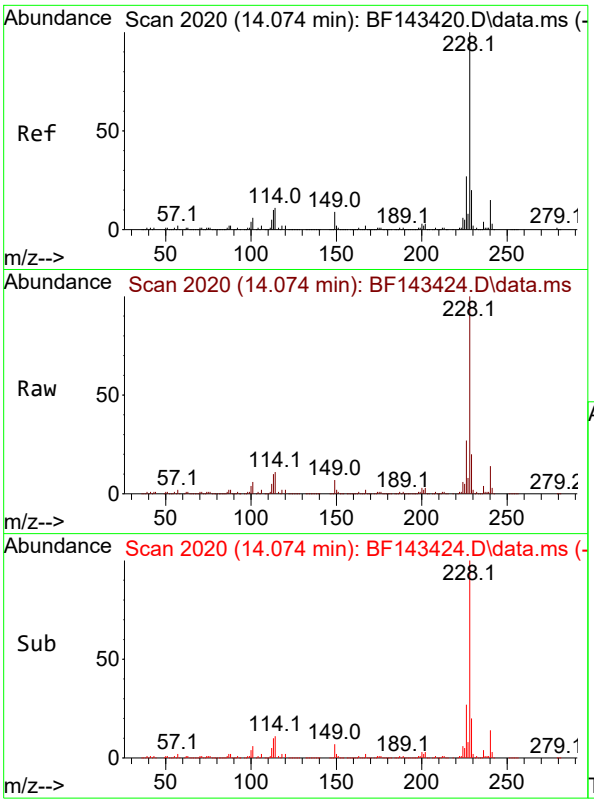


#80
Butylbenzylphthalate
Concen: 44.739 ng
RT: 13.498 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:149 Resp: 216055

Ion	Ratio	Lower	Upper
149	100		
91	71.3	57.0	85.4
206	21.7	17.6	26.4



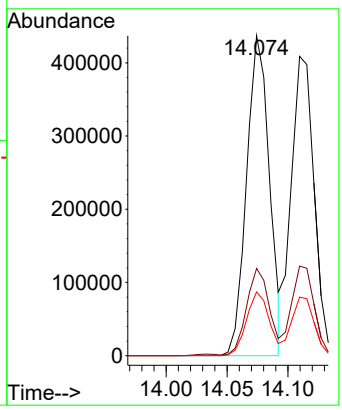


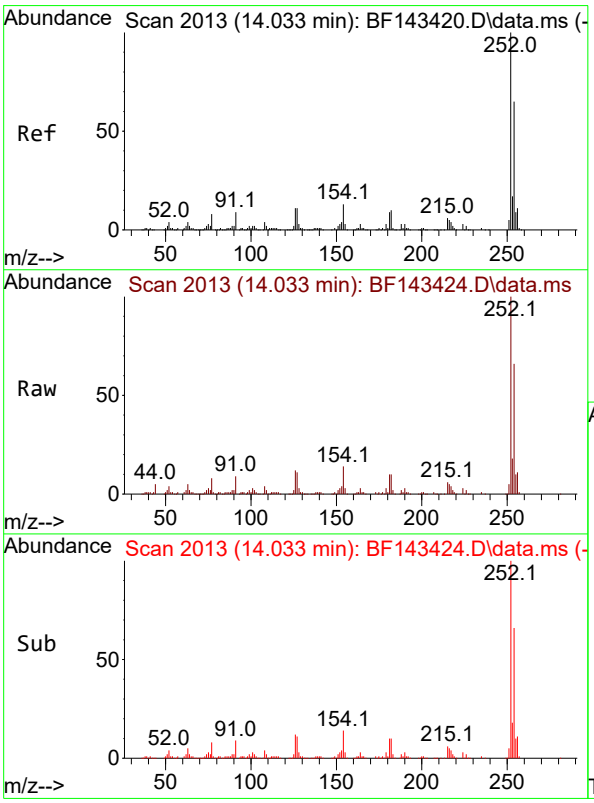
#81
Benzo(a)anthracene
Concen: 39.874 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:228 Resp: 569456

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.5	32.3
229	19.9	15.7	23.5

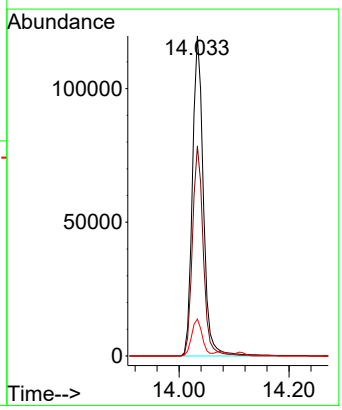


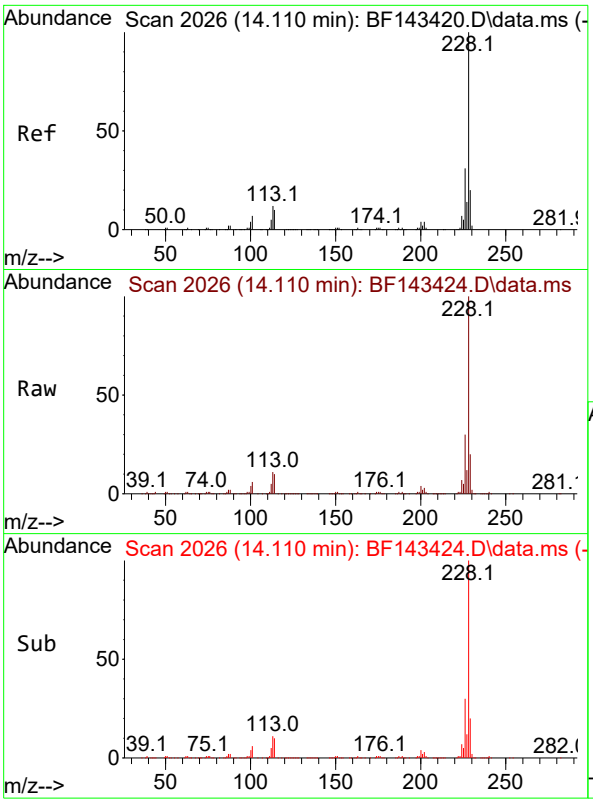


#82
3,3'-Dichlorobenzidine
Concen: 39.390 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:252 Resp: 164709

Ion	Ratio	Lower	Upper
252	100		
254	65.6	51.6	77.4
126	11.6	8.8	13.2



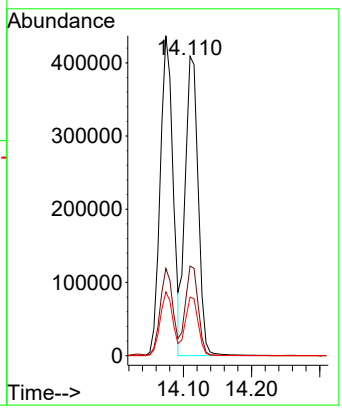


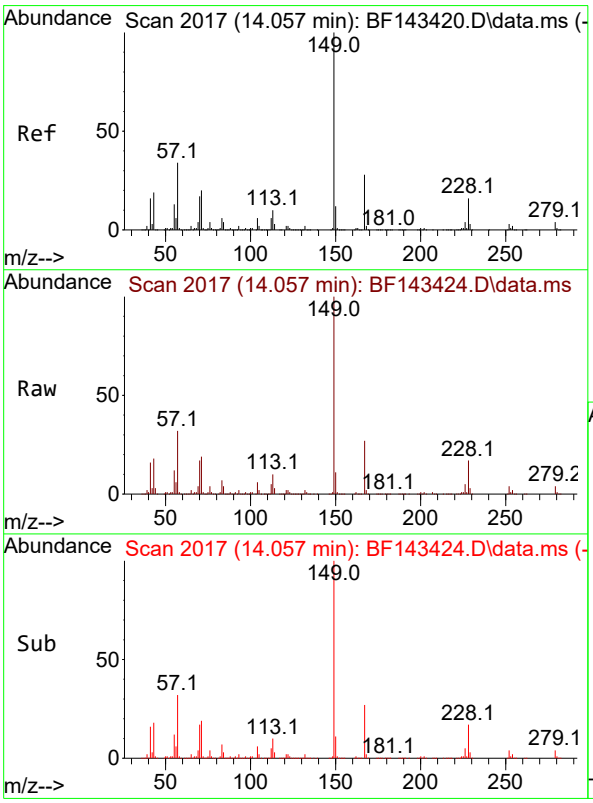
#83
Chrysene
Concen: 40.872 ng
RT: 14.110 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:228 Resp: 539626

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.3	36.5
229	19.6	16.1	24.1

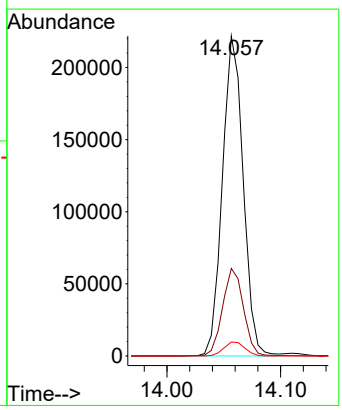


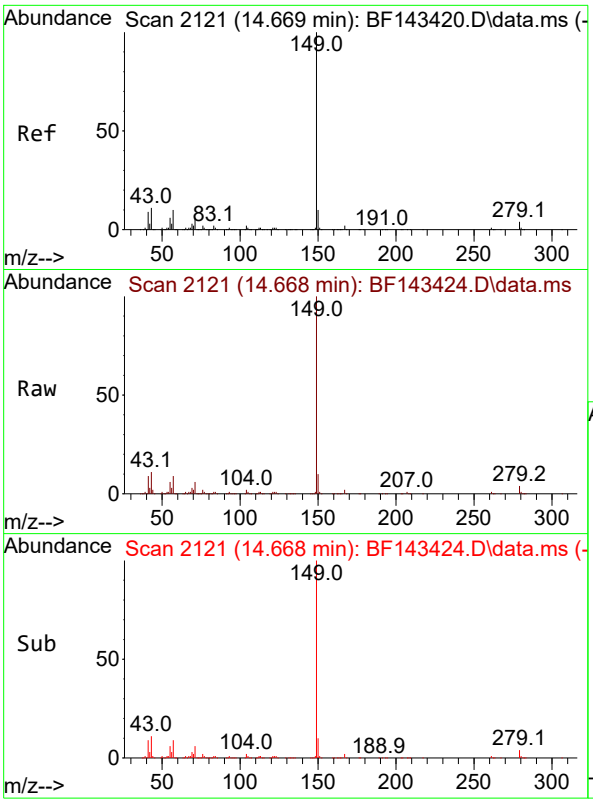


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.151 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:149 Resp: 282227

Ion	Ratio	Lower	Upper
149	100		
167	27.3	22.6	33.8
279	4.3	3.5	5.3



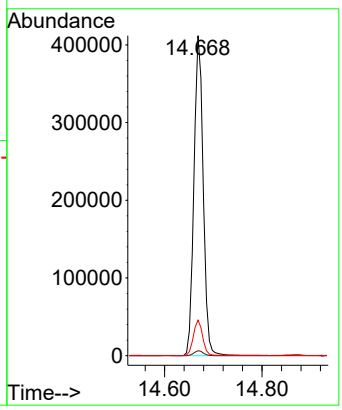


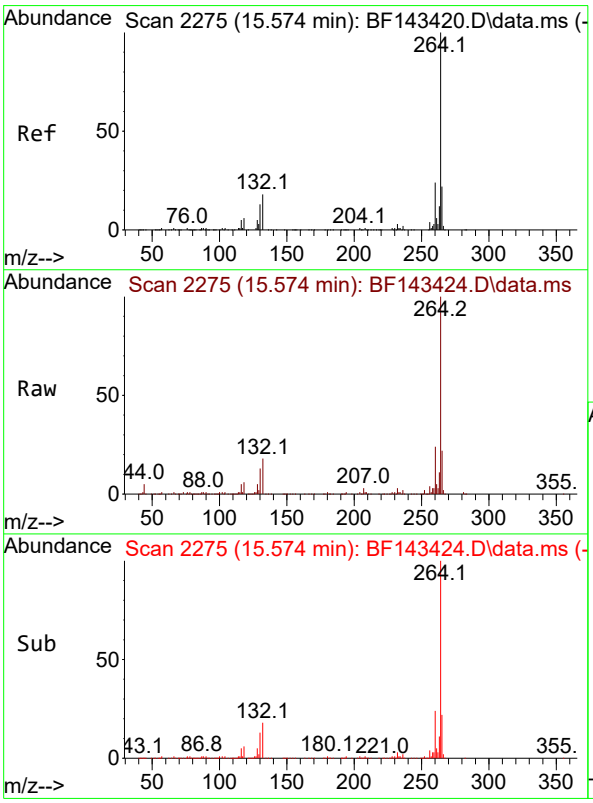
#85
Di-n-octyl phthalate
Concen: 39.276 ng
RT: 14.668 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:149 Resp: 546335

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.1	9.0	13.6

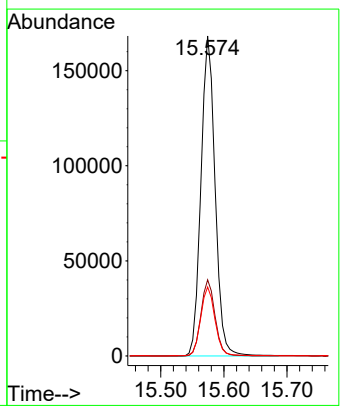


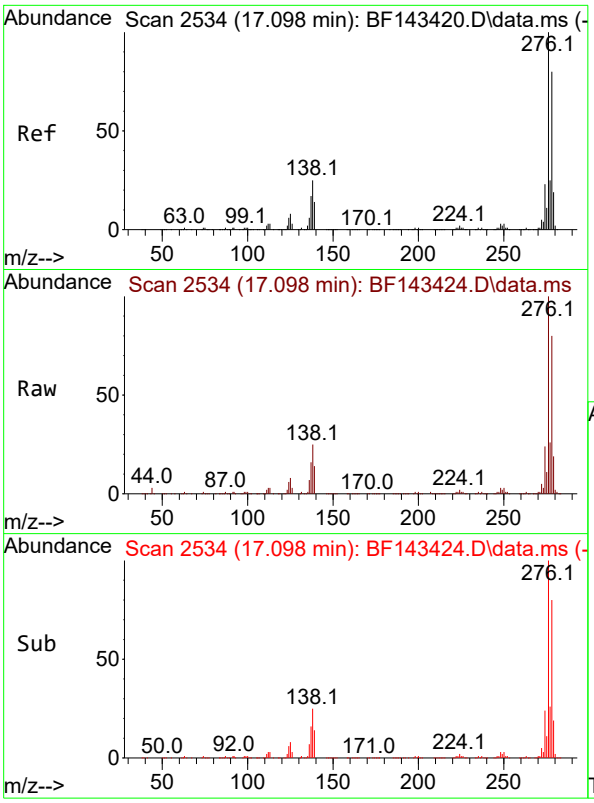


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:264 Resp: 261605

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.8	28.2
265	21.5	17.4	26.0



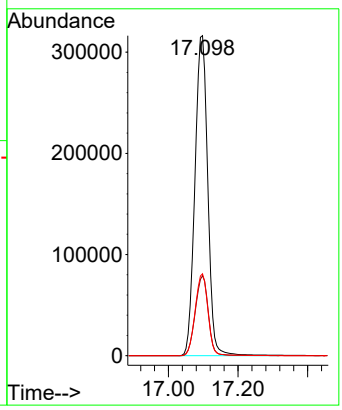


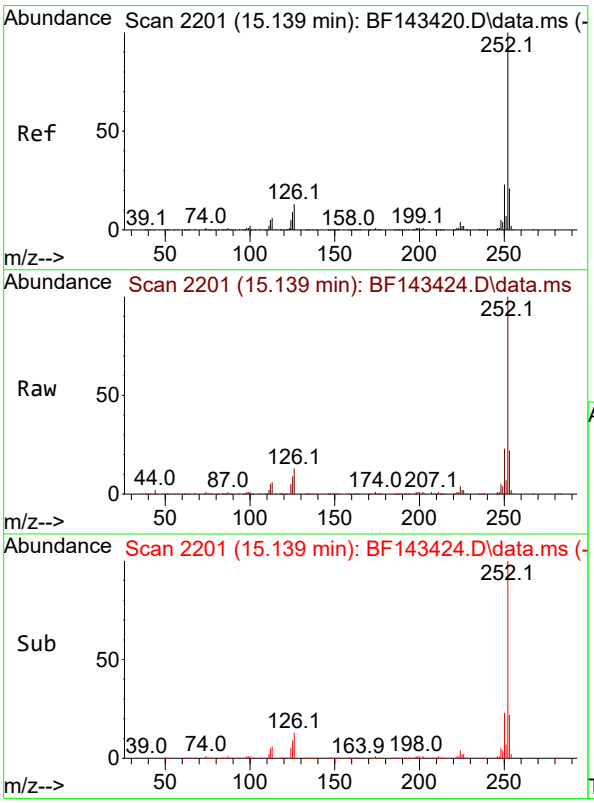
#87
Indeno(1,2,3-cd)pyrene
Concen: 41.292 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:276 Resp: 810056

Ion	Ratio	Lower	Upper
276	100		
138	25.3	20.2	30.4
277	25.5	20.2	30.2

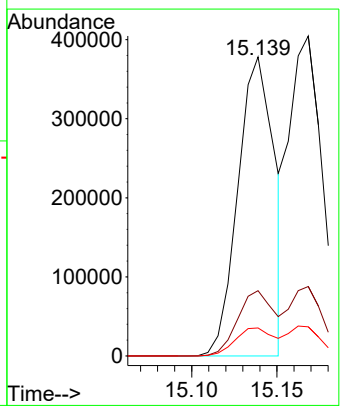


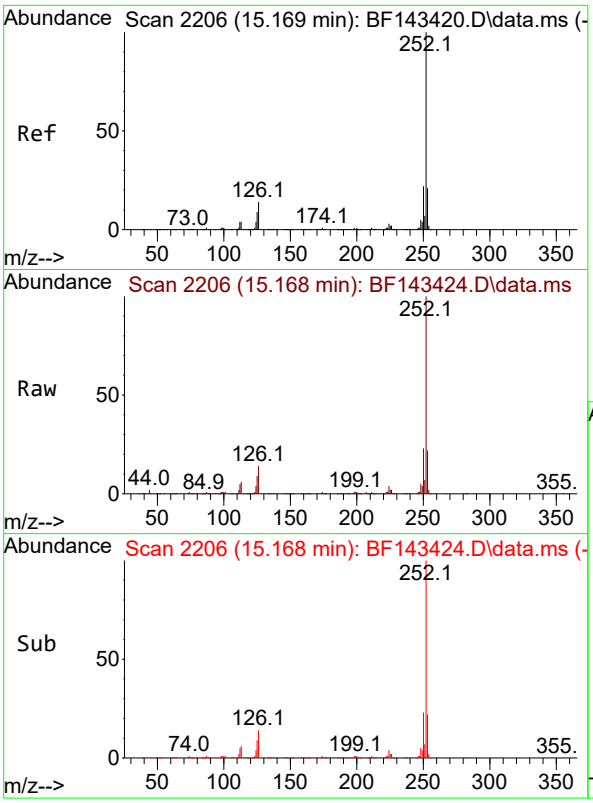


#88
Benzo(b)fluoranthene
Concen: 40.032 ng
RT: 15.139 min Scan# 2201
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:252 Resp: 561290

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	9.4	7.5	11.3



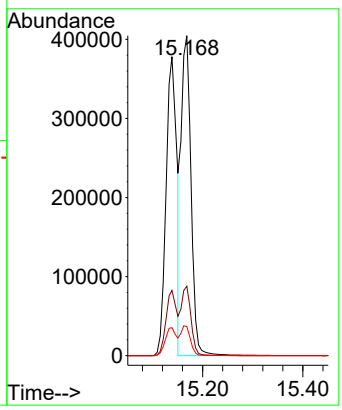


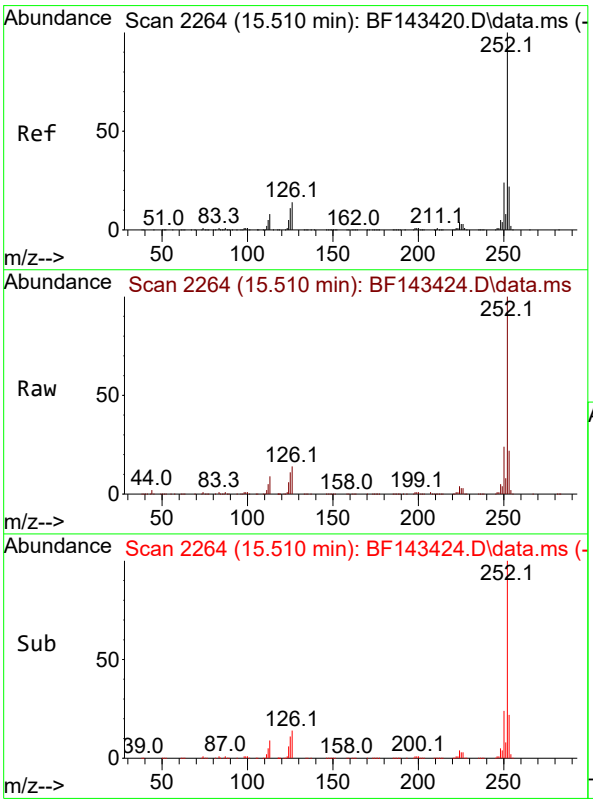
#89
Benzo(k)fluoranthene
Concen: 40.263 ng
RT: 15.168 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:252 Resp: 556803

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.2	25.8
125	9.1	7.4	11.2

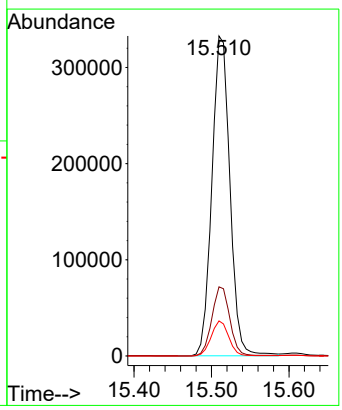


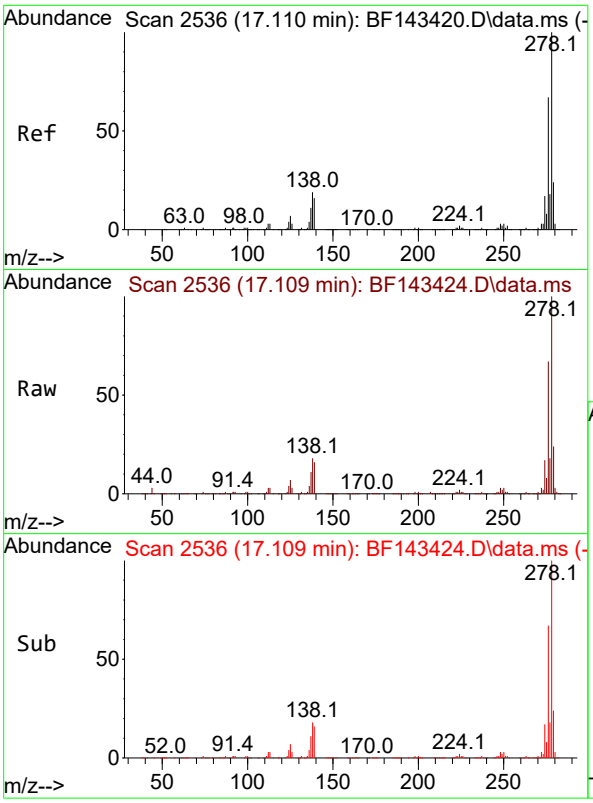


#90
Benzo(a)pyrene
Concen: 40.177 ng
RT: 15.510 min Scan# 2264
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:252 Resp: 536535

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	11.0	8.6	12.8



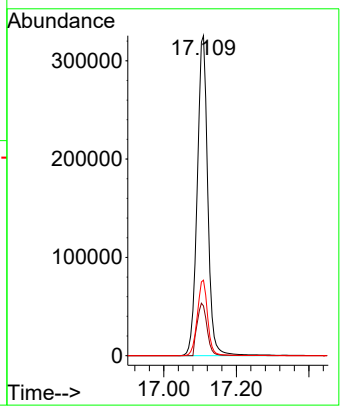


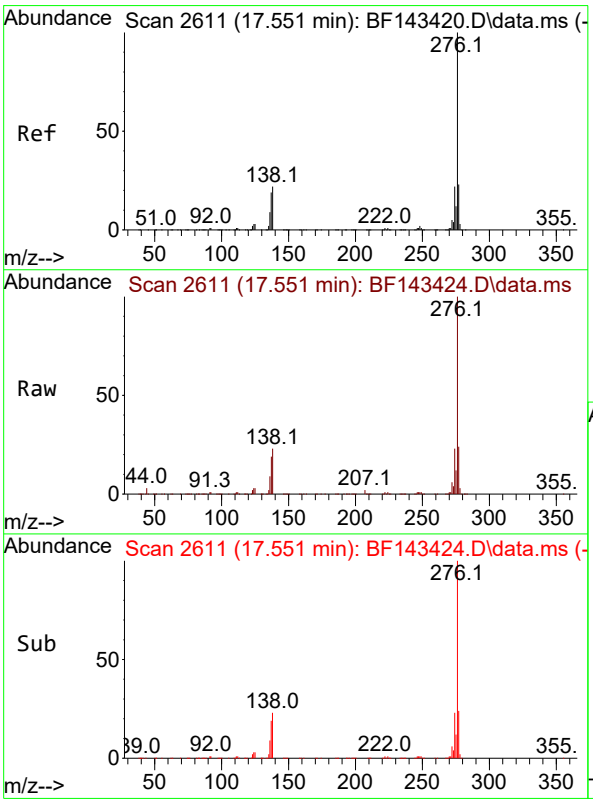
#91
Dibenzo(a,h)anthracene
Concen: 41.699 ng
RT: 17.109 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Tgt Ion:278 Resp: 656933

Ion	Ratio	Lower	Upper
278	100		
139	15.5	12.9	19.3
279	23.6	19.0	28.4

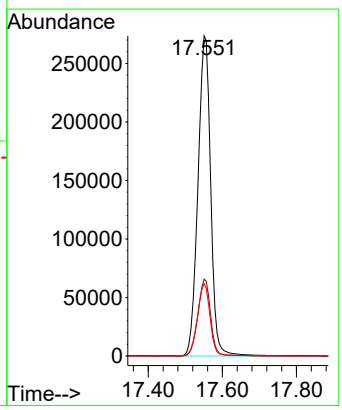




#92
Benzo(g,h,i)perylene
Concen: 41.438 ng
RT: 17.551 min Scan# 2611
Delta R.T. -0.000 min
Lab File: BF143424.D
Acq: 15 Aug 2025 18:57

Tgt Ion:276 Resp: 652150

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.7	28.1
138	22.6	17.5	26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143424.D
Acq On : 15 Aug 2025 18:57
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Quant Time: Aug 15 19:18:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:57:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
2		1,4-Dioxane	0.554	0.549	0.9	92	-0.02
3		Pyridine	1.453	1.484	-2.1	95	-0.01
4		n-Nitrosodimethylamine	0.675	0.684	-1.3	95	-0.01
5	S	2-Fluorophenol	1.151	1.155	-0.3	96	0.00
6		Aniline	1.968	1.984	-0.8	95	0.00
7	S	Phenol-d6	1.450	1.433	1.2	96	0.00
8		2-Chlorophenol	1.270	1.273	-0.2	97	0.00
9		Benzaldehyde	0.771	0.865	-12.2	112	0.00
10	C	Phenol	1.692	1.715	-1.4	96	0.00
11		bis(2-Chloroethyl)ether	1.254	1.264	-0.8	97	0.00
12		1,3-Dichlorobenzene	1.423	1.413	0.7	96	0.00
13	C	1,4-Dichlorobenzene	1.421	1.408	0.9	96	0.00
14		1,2-Dichlorobenzene	1.357	1.344	1.0	96	0.00
15		Benzyl Alcohol	1.069	1.099	-2.8	97	0.00
16		2,2'-oxybis(1-Chloropropane	2.144	2.139	0.2	97	0.00
17		2-Methylphenol	1.036	1.049	-1.3	97	0.00
18		Hexachloroethane	0.484	0.487	-0.6	97	0.00
19	P	n-Nitroso-di-n-propylamine	0.898	0.885	1.4	97	0.00
20		3+4-Methylphenols	1.239	1.263	-1.9	97	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	97	0.00
22		Acetophenone	0.430	0.417	3.0	97	0.00
23	S	Nitrobenzene-d5	0.337	0.343	-1.8	98	0.00
24		Nitrobenzene	0.352	0.360	-2.3	98	0.00
25		Isophorone	0.645	0.646	-0.2	99	0.00
26	C	2-Nitrophenol	0.163	0.175	-7.4	100	0.00
27		2,4-Dimethylphenol	0.276	0.273	1.1	98	0.00
28		bis(2-Chloroethoxy)methane	0.397	0.395	0.5	98	0.00
29	C	2,4-Dichlorophenol	0.281	0.284	-1.1	98	0.00
30		1,2,4-Trichlorobenzene	0.288	0.282	2.1	97	0.00
31		Naphthalene	0.950	0.935	1.6	96	0.00
32		Benzoic acid	0.144	0.149	-3.5	101	0.00
33		4-Chloroaniline	0.343	0.348	-1.5	98	0.00
34	C	Hexachlorobutadiene	0.184	0.180	2.2	95	0.00
35		Caprolactam	0.081	0.086	-6.2	104	0.00
36	C	4-Chloro-3-methylphenol	0.290	0.297	-2.4	100	0.00
37		2-Methylnaphthalene	0.640	0.627	2.0	97	0.00
38		1-Methylnaphthalene	0.613	0.607	1.0	99	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	99	0.00
40		1,2,4,5-Tetrachlorobenzene	0.558	0.546	2.2	99	0.00
41	P	Hexachlorocyclopentadiene	0.167	0.187	-12.0	104	0.00
42	S	2,4,6-Tribromophenol	0.178	0.185	-3.9	104	0.00
43	C	2,4,6-Trichlorophenol	0.348	0.355	-2.0	99	0.00
44		2,4,5-Trichlorophenol	0.373	0.385	-3.2	101	0.00
45	S	2-Fluorobiphenyl	1.189	1.138	4.3	100	0.00
46		1,1'-Biphenyl	1.405	1.373	2.3	99	0.00
47		2-Chloronaphthalene	1.109	1.083	2.3	99	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143424.D
Acq On : 15 Aug 2025 18:57
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Quant Time: Aug 15 19:18:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:57:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.330	0.348	-5.5	103	0.00
49		Acenaphthylene	1.602	1.589	0.8	100	0.00
50		Dimethylphthalate	1.247	1.259	-1.0	103	0.00
51		2,6-Dinitrotoluene	0.246	0.269	-9.3	106	0.00
52	C	Acenaphthene	1.077	1.080	-0.3	103	0.00
53		3-Nitroaniline	0.274	0.295	-7.7	103	0.00
54	P	2,4-Dinitrophenol	0.097	0.111	-14.4	115	0.00
55		Dibenzofuran	1.554	1.516	2.4	99	0.00
56	P	4-Nitrophenol	0.172	0.191	-11.0	106	0.00
57		2,4-Dinitrotoluene	0.328	0.364	-11.0	108	0.00
58		Fluorene	1.194	1.166	2.3	102	0.00
59		2,3,4,6-Tetrachlorophenol	0.282	0.306	-8.5	102	0.00
60		Diethylphthalate	1.152	1.167	-1.3	104	0.00
61		4-Chlorophenyl-phenylether	0.590	0.583	1.2	101	0.00
62		4-Nitroaniline	0.256	0.279	-9.0	106	0.00
63		Azobenzene	1.165	1.169	-0.3	102	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	105	0.00
65		4,6-Dinitro-2-methylphenol	0.103	0.118	-14.6	116	0.00
66	c	n-Nitrosodiphenylamine	0.650	0.630	3.1	103	0.00
67		4-Bromophenyl-phenylether	0.236	0.234	0.8	104	0.00
68		Hexachlorobenzene	0.251	0.244	2.8	105	0.00
69		Atrazine	0.190	0.201	-5.8	111	0.00
70	C	Pentachlorophenol	0.110	0.120	-9.1	111	0.00
71		Phenanthrene	1.083	1.044	3.6	104	0.00
72		Anthracene	1.094	1.065	2.7	105	0.00
73		Carbazole	0.925	0.913	1.3	107	0.00
74		Di-n-butylphthalate	0.921	0.976	-6.0	115	0.00
75	C	Fluoranthene	0.962	0.957	0.5	113	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	103	0.00
77		Benzidine	0.597	0.671	-12.4	122	0.00
78		Pyrene	1.738	1.885	-8.5	115	0.00
79	S	Terphenyl-d14	1.191	1.278	-7.3	115	0.00
80		Butylbenzylphthalate	0.431	0.482	-11.8	108	0.00
81		Benzo(a)anthracene	1.273	1.269	0.3	104	0.00
82		3,3'-Dichlorobenzidine	0.373	0.367	1.6	96	0.00
83		Chrysene	1.177	1.203	-2.2	104	0.00
84		Bis(2-ethylhexyl)phthalate	0.611	0.629	-2.9	97	0.00
85	c	Di-n-octyl phthalate	1.240	1.218	1.8	95	0.00
86	I	Perylene-d12	1.000	1.000	0.0	93	0.00
87		Indeno(1,2,3-cd)pyrene	1.500	1.548	-3.2	96	0.00
88		Benzo(b)fluoranthene	1.072	1.073	-0.1	91	0.00
89		Benzo(k)fluoranthene	1.057	1.064	-0.7	94	0.00
90	C	Benzo(a)pyrene	1.021	1.025	-0.4	91	0.00
91		Dibenzo(a,h)anthracene	1.204	1.256	-4.3	97	0.00
92		Benzo(g,h,i)perylene	1.203	1.246	-3.6	96	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143424.D
Acq On : 15 Aug 2025 18:57
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Quant Time: Aug 15 19:18:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:57:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143424.D
Acq On : 15 Aug 2025 18:57
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
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ICVBF081525

Quant Time: Aug 15 19:18:35 2025
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QLast Update : Fri Aug 15 18:57:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	95	0.00
2		1,4-Dioxane	40.000	39.659	0.9	92	-0.02
3		Pyridine	40.000	40.863	-2.2	95	-0.01
4		n-Nitrosodimethylamine	40.000	40.523	-1.3	95	-0.01
5	S	2-Fluorophenol	80.000	80.281	-0.4	96	0.00
6		Aniline	40.000	40.314	-0.8	95	0.00
7	S	Phenol-d6	80.000	79.088	1.1	96	0.00
8		2-Chlorophenol	40.000	40.083	-0.2	97	0.00
9		Benzaldehyde	40.000	44.869	-12.2	112	0.00
10	C	Phenol	40.000	40.546	-1.4	96	0.00
11		bis(2-Chloroethyl)ether	40.000	40.305	-0.8	97	0.00
12		1,3-Dichlorobenzene	40.000	39.722	0.7	96	0.00
13	C	1,4-Dichlorobenzene	40.000	39.650	0.9	96	0.00
14		1,2-Dichlorobenzene	40.000	39.612	1.0	96	0.00
15		Benzyl Alcohol	40.000	41.098	-2.7	97	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.909	0.2	97	0.00
17		2-Methylphenol	40.000	40.471	-1.2	97	0.00
18		Hexachloroethane	40.000	40.268	-0.7	97	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.451	1.4	97	0.00
20		3+4-Methylphenols	40.000	40.773	-1.9	97	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	97	0.00
22		Acetophenone	40.000	38.772	3.1	97	0.00
23	S	Nitrobenzene-d5	80.000	81.505	-1.9	98	0.00
24		Nitrobenzene	40.000	40.922	-2.3	98	0.00
25		Isophorone	40.000	40.058	-0.1	99	0.00
26	C	2-Nitrophenol	40.000	42.777	-6.9	100	0.00
27		2,4-Dimethylphenol	40.000	39.609	1.0	98	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.801	0.5	98	0.00
29	C	2,4-Dichlorophenol	40.000	40.367	-0.9	98	0.00
30		1,2,4-Trichlorobenzene	40.000	39.142	2.1	97	0.00
31		Naphthalene	40.000	39.375	1.6	96	0.00
32		Benzoic acid	40.000	41.403	-3.5	101	0.00
33		4-Chloroaniline	40.000	40.630	-1.6	98	0.00
34	C	Hexachlorobutadiene	40.000	39.224	1.9	95	0.00
35		Caprolactam	40.000	42.330	-5.8	104	0.00
36	C	4-Chloro-3-methylphenol	40.000	40.997	-2.5	100	0.00
37		2-Methylnaphthalene	40.000	39.196	2.0	97	0.00
38		1-Methylnaphthalene	40.000	39.623	0.9	99	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	99	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.145	2.1	99	0.00
41	P	Hexachlorocyclopentadiene	40.000	40.416	-1.0	104	0.00
42	S	2,4,6-Tribromophenol	80.000	83.344	-4.2	104	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.774	-1.9	99	0.00
44		2,4,5-Trichlorophenol	40.000	41.305	-3.3	101	0.00
45	S	2-Fluorobiphenyl	80.000	76.538	4.3	100	0.00
46		1,1'-Biphenyl	40.000	39.081	2.3	99	0.00
47		2-Chloronaphthalene	40.000	39.058	2.4	99	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143424.D
Acq On : 15 Aug 2025 18:57
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Quant Time: Aug 15 19:18:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:57:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	42.141	-5.4	103	0.00
49		Acenaphthylene	40.000	39.677	0.8	100	0.00
50		Dimethylphthalate	40.000	40.394	-1.0	103	0.00
51		2,6-Dinitrotoluene	40.000	43.842	-9.6	106	0.00
52	C	Acenaphthene	40.000	40.115	-0.3	103	0.00
53		3-Nitroaniline	40.000	43.062	-7.7	103	0.00
54	P	2,4-Dinitrophenol	40.000	41.967	-4.9	115	0.00
55		Dibenzofuran	40.000	39.033	2.4	99	0.00
56	P	4-Nitrophenol	40.000	44.464	-11.2	106	0.00
57		2,4-Dinitrotoluene	40.000	44.386	-11.0	108	0.00
58		Fluorene	40.000	39.070	2.3	102	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	43.424	-8.6	102	0.00
60		Diethylphthalate	40.000	40.514	-1.3	104	0.00
61		4-Chlorophenyl-phenylether	40.000	39.533	1.2	101	0.00
62		4-Nitroaniline	40.000	43.604	-9.0	106	0.00
63		Azobenzene	40.000	40.143	-0.4	102	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	105	0.00
65		4,6-Dinitro-2-methylphenol	40.000	45.779	-14.4	116	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.734	3.2	103	0.00
67		4-Bromophenyl-phenylether	40.000	39.547	1.1	104	0.00
68		Hexachlorobenzene	40.000	38.923	2.7	105	0.00
69		Atrazine	40.000	42.361	-5.9	111	0.00
70	C	Pentachlorophenol	40.000	43.486	-8.7	111	0.00
71		Phenanthrene	40.000	38.568	3.6	104	0.00
72		Anthracene	40.000	38.935	2.7	105	0.00
73		Carbazole	40.000	39.480	1.3	107	0.00
74		Di-n-butylphthalate	40.000	42.379	-5.9	115	0.00
75	C	Fluoranthene	40.000	39.770	0.6	113	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	103	0.00
77		Benzidine	40.000	47.400	-18.5	122	0.00
78		Pyrene	40.000	43.363	-8.4	115	0.00
79	S	Terphenyl-d14	80.000	85.853	-7.3	115	0.00
80		Butylbenzylphthalate	40.000	44.739	-11.8	108	0.00
81		Benzo(a)anthracene	40.000	39.874	0.3	104	0.00
82		3,3'-Dichlorobenzidine	40.000	39.390	1.5	96	0.00
83		Chrysene	40.000	40.872	-2.2	104	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.151	-2.9	97	0.00
85	c	Di-n-octyl phthalate	40.000	39.276	1.8	95	0.00
86	I	Perylene-d12	20.000	20.000	0.0	93	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	41.292	-3.2	96	0.00
88		Benzo(b)fluoranthene	40.000	40.032	-0.1	91	0.00
89		Benzo(k)fluoranthene	40.000	40.263	-0.7	94	0.00
90	C	Benzo(a)pyrene	40.000	40.177	-0.4	91	0.00
91		Dibenzo(a,h)anthracene	40.000	41.699	-4.2	97	0.00
92		Benzo(g,h,i)perylene	40.000	41.438	-3.6	96	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143424.D
Acq On : 15 Aug 2025 18:57
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081525

Quant Time: Aug 15 19:18:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:57:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: NOBI03

Lab Code: ACE SDG No.: Q2879

Instrument ID: BNA_F Calibration Date/Time: 08/19/2025 09:36

Lab File ID: BF143445.D Init. Calib. Date(s): 08/15/2025 08/15/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 14:29 17:57

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.151	1.140		-1.0	
Phenol-d6	1.450	1.398		-3.6	
Nitrobenzene-d5	0.337	0.340		0.9	
Naphthalene	0.950	0.919		-3.3	
2-Methylnaphthalene	0.640	0.615		-3.9	
2-Fluorobiphenyl	1.189	1.143		-3.9	
Acenaphthylene	1.602	1.554		-3.0	
Acenaphthene	1.077	1.045		-3.0	20.0
Fluorene	1.194	1.121		-6.1	
2,4,6-Tribromophenol	0.178	0.174		-2.2	
Phenanthrene	1.083	1.041		-3.9	
Anthracene	1.094	1.054		-3.7	
Fluoranthene	0.962	0.880		-8.5	20.0
Pyrene	1.738	1.584		-8.9	
Terphenyl-d14	1.191	1.073		-9.9	
Benzo(a)anthracene	1.273	1.207		-5.2	
Chrysene	1.177	1.157		-1.7	
Benzo(b)fluoranthene	1.072	0.993		-7.4	
Benzo(k)fluoranthene	1.057	1.036		-2.0	
Benzo(a)pyrene	1.021	0.988		-3.2	20.0
Indeno(1,2,3-cd)pyrene	1.500	1.405		-6.3	
Dibenzo(a,h)anthracene	1.204	1.133		-5.9	
Benzo(g,h,i)perylene	1.203	1.109		-7.8	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143445.D
Acq On : 19 Aug 2025 09:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Aug 19 12:03:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	123862	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	470823	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	251926	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	374076	20.000	ng	0.00
76) Chrysene-d12	14.086	240	210363	20.000	ng	0.00
86) Perylene-d12	15.574	264	285369	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	565004	79.295	ng	0.00
7) Phenol-d6	6.557	99	692796	77.152	ng	0.00
23) Nitrobenzene-d5	7.487	82	641151	80.806	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	175109	78.092	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1151496	76.880	ng	0.00
79) Terphenyl-d14	13.027	244	902887	72.100	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.728	88	131336	38.293	ng	100
3) Pyridine	3.510	79	384990	42.798	ng	98
4) n-Nitrosodimethylamine	3.452	42	168820	40.376	ng	97
6) Aniline	6.592	93	471259	38.658	ng	99
8) 2-Chlorophenol	6.716	128	308249	39.185	ng	100
9) Benzaldehyde	6.475	77	170980	35.792	ng	99
10) Phenol	6.575	94	413806	39.491	ng	99
11) bis(2-Chloroethyl)ether	6.657	93	295147	37.999	ng	100
12) 1,3-Dichlorobenzene	6.869	146	343593	38.991	ng	99
13) 1,4-Dichlorobenzene	6.945	146	346825	39.423	ng	100
14) 1,2-Dichlorobenzene	7.098	146	327027	38.919	ng	100
15) Benzyl Alcohol	7.069	79	260456	39.331	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.192	45	498135	37.514	ng	88
17) 2-Methylphenol	7.181	107	248774	38.760	ng	98
18) Hexachloroethane	7.439	117	118857	39.692	ng	99
19) n-Nitroso-di-n-propyla...	7.334	70	205941	37.046	ng	99
20) 3+4-Methylphenols	7.334	107	301872	39.344	ng	99
22) Acetophenone	7.334	105	390316	38.557	ng	99
24) Nitrobenzene	7.504	77	331755	40.006	ng	99
25) Isophorone	7.745	82	573979	37.797	ng	99
26) 2-Nitrophenol	7.822	139	165419	43.029	ng	99
27) 2,4-Dimethylphenol	7.857	122	250041	38.468	ng	100
28) bis(2-Chloroethoxy)met...	7.951	93	354531	37.982	ng	99
29) 2,4-Dichlorophenol	8.069	162	266068	40.155	ng	98
30) 1,2,4-Trichlorobenzene	8.151	180	268161	39.498	ng	98
31) Naphthalene	8.234	128	864979	38.697	ng	100
32) Benzoic acid	7.975	122	126267	37.352	ng	98
33) 4-Chloroaniline	8.275	127	309199	38.323	ng	99
34) Hexachlorobutadiene	8.351	225	170898	39.475	ng	99
35) Caprolactam	8.639	113	71754	37.614	ng	99
36) 4-Chloro-3-methylphenol	8.757	107	263029	38.544	ng	99
37) 2-Methylnaphthalene	8.922	142	578915	38.423	ng	100
38) 1-Methylnaphthalene	9.022	142	550089	38.107	ng	100
40) 1,2,4,5-Tetrachloroben...	9.086	216	277447	39.489	ng	99
41) Hexachlorocyclopentadiene	9.075	237	81116	35.643	ng	98
43) 2,4,6-Trichlorophenol	9.198	196	174471	39.809	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143445.D
Acq On : 19 Aug 2025 09:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Aug 19 12:03:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

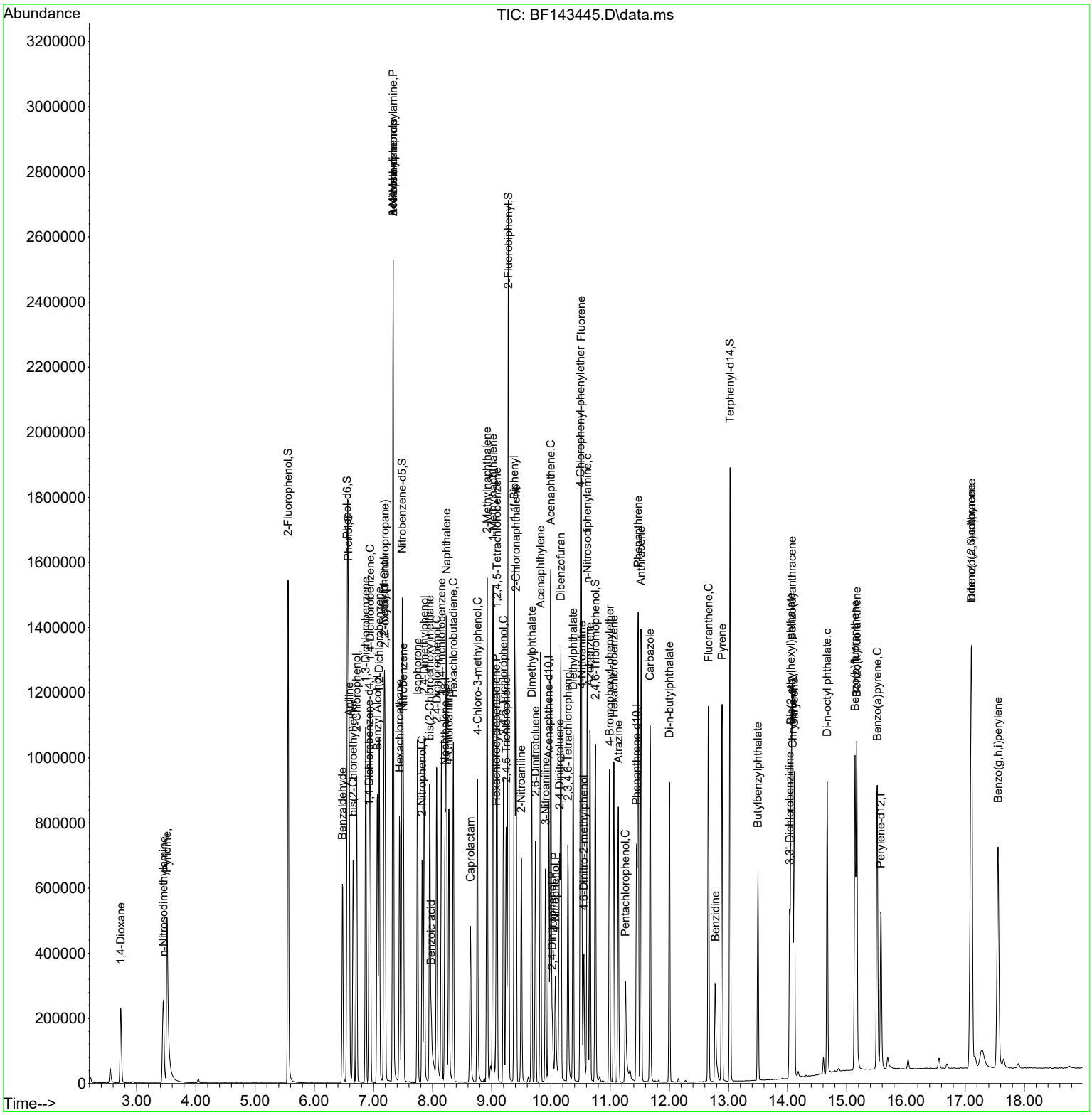
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	188711	40.168	ng	99
46) 1,1'-Biphenyl	9.381	154	687835	38.859	ng	99
47) 2-Chloronaphthalene	9.410	162	541591	38.762	ng	99
48) 2-Nitroaniline	9.498	65	167018	40.168	ng	100
49) Acenaphthylene	9.822	152	783068	38.817	ng	100
50) Dimethylphthalate	9.675	163	596061	37.950	ng	99
51) 2,6-Dinitrotoluene	9.739	165	127119	41.056	ng	97
52) Acenaphthene	9.998	154	526415	38.798	ng	99
53) 3-Nitroaniline	9.910	138	136688	39.632	ng	99
54) 2,4-Dinitrophenol	10.022	184	51176	38.759	ng	93
55) Dibenzofuran	10.169	168	735002	37.552	ng	99
56) 4-Nitrophenol	10.075	139	80665	37.201	ng	96
57) 2,4-Dinitrotoluene	10.145	165	168551	40.831	ng	98
58) Fluorene	10.510	166	564896	37.568	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.286	232	140842	39.604	ng	97
60) Diethylphthalate	10.375	149	535646	36.905	ng	100
61) 4-Chlorophenyl-phenyle...	10.498	204	285860	38.452	ng	99
62) 4-Nitroaniline	10.522	138	124720	38.667	ng	99
63) Azobenzene	10.657	77	552945	37.693	ng	98
65) 4,6-Dinitro-2-methylph...	10.557	198	81840	42.402	ng	100
66) n-Nitrosodiphenylamine	10.616	169	477290	39.240	ng	100
67) 4-Bromophenyl-phenylether	10.992	248	173167	39.202	ng	99
68) Hexachlorobenzene	11.063	284	184987	39.392	ng	99
69) Atrazine	11.139	200	137115	38.541	ng	99
70) Pentachlorophenol	11.257	266	83629	40.495	ng	99
71) Phenanthrene	11.475	178	778725	38.443	ng	100
72) Anthracene	11.522	178	788478	38.538	ng	99
73) Carbazole	11.675	167	648190	37.459	ng	100
74) Di-n-butylphthalate	12.004	149	647836	37.595	ng	100
75) Fluoranthene	12.663	202	658646	36.593	ng	99
77) Benzidine	12.780	184	210512	33.511	ng	99
78) Pyrene	12.892	202	666629	36.459	ng	99
80) Butylbenzylphthalate	13.498	149	199021	43.946	ng	100
81) Benzo(a)anthracene	14.074	228	507706	37.909	ng	99
82) 3,3'-Dichlorobenzidine	14.033	252	166049	42.346	ng	100
83) Chrysene	14.110	228	486654	39.305	ng	100
84) Bis(2-ethylhexyl)phtha...	14.057	149	309633	48.143	ng	100
85) Di-n-octyl phthalate	14.668	149	592119	45.391	ng	99
87) Indeno(1,2,3-cd)pyrene	17.104	276	802095	37.481	ng	99
88) Benzo(b)fluoranthene	15.139	252	566849	37.062	ng	98
89) Benzo(k)fluoranthene	15.168	252	591511	39.211	ng	99
90) Benzo(a)pyrene	15.515	252	563854	38.707	ng	99
91) Dibenzo(a,h)anthracene	17.109	278	646395	37.613	ng	100
92) Benzo(g,h,i)perylene	17.556	276	632768	36.858	ng	100

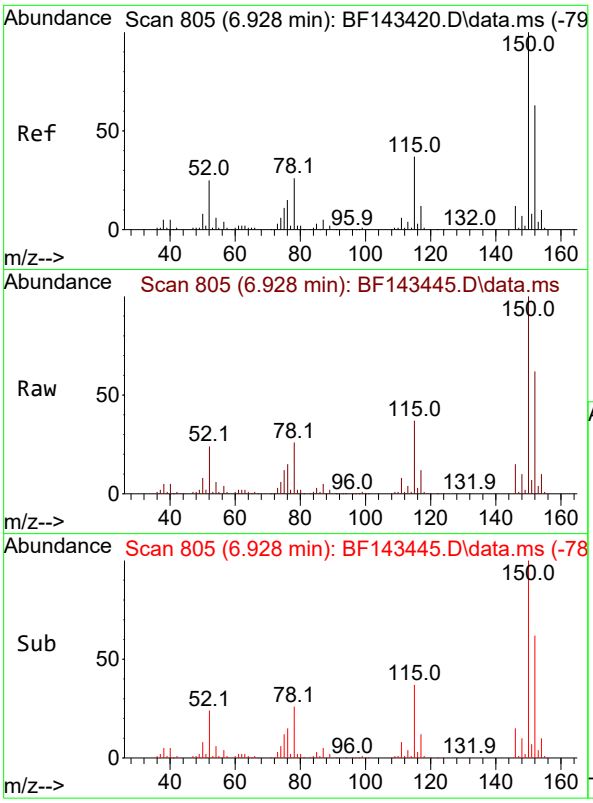
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143445.D
Acq On : 19 Aug 2025 09:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Aug 19 12:03:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration



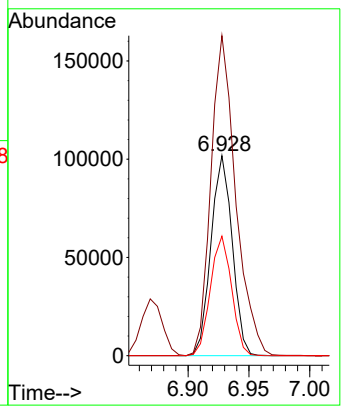


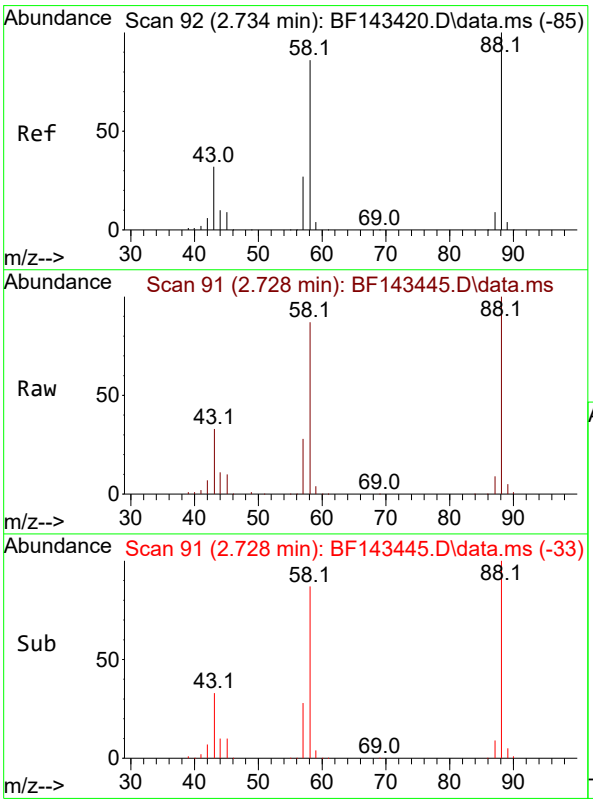
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 123862

Ion	Ratio	Lower	Upper
152	100		
150	160.1	127.4	191.2
115	59.8	47.5	71.3

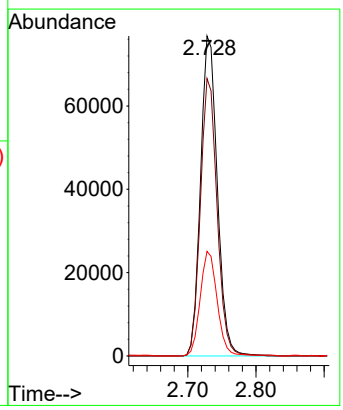


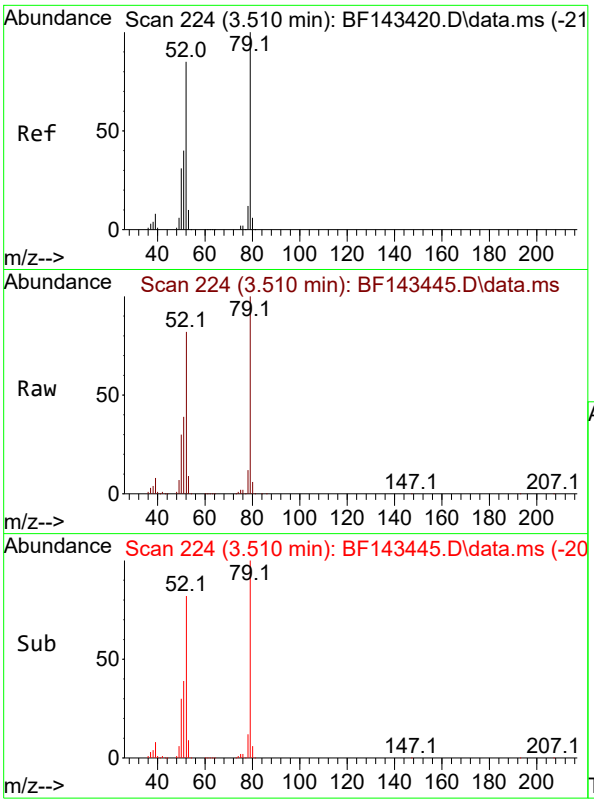


#2
1,4-Dioxane
Concen: 38.293 ng
RT: 2.728 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion: 88 Resp: 131336

Ion	Ratio	Lower	Upper
88	100		
58	86.2	68.7	103.1
43	33.1	26.1	39.1



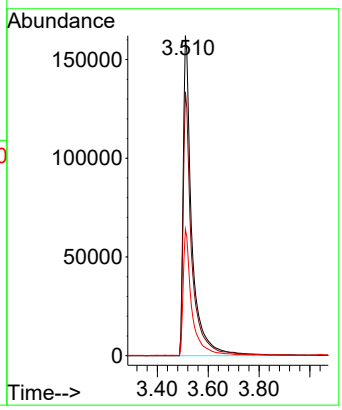


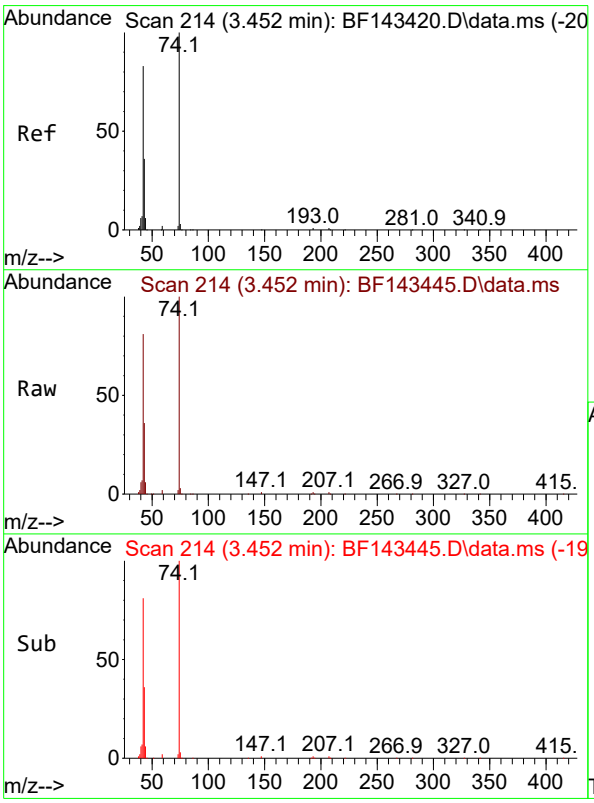
#3
Pyridine
Concen: 42.798 ng
RT: 3.510 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 384990

Ion	Ratio	Lower	Upper
79	100		
52	82.5	67.7	101.5
51	39.5	32.3	48.5

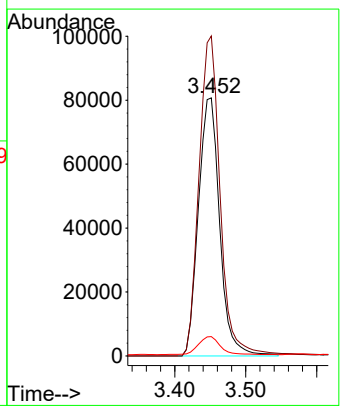


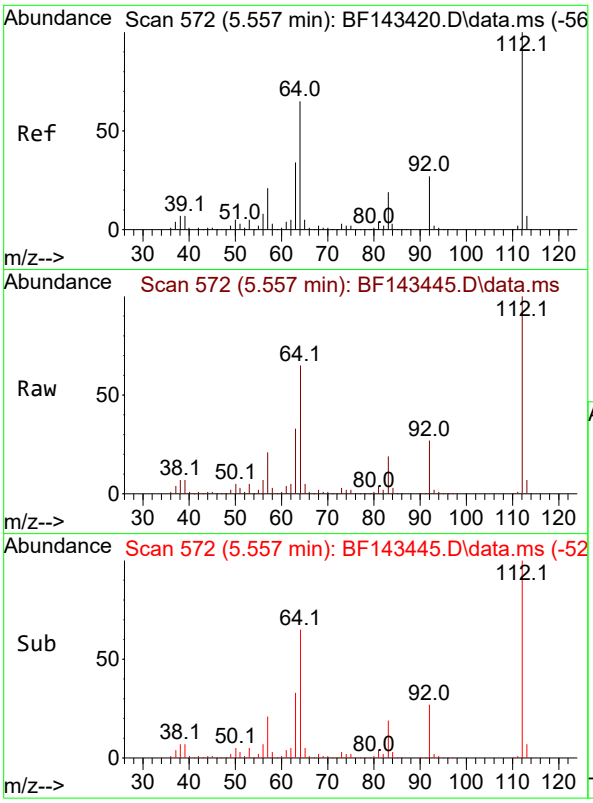


#4
n-Nitrosodimethylamine
Concen: 40.376 ng
RT: 3.452 min Scan# 214
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion: 42 Resp: 168820

Ion	Ratio	Lower	Upper
42	100		
74	124.0	96.2	144.4
44	7.5	5.9	8.9



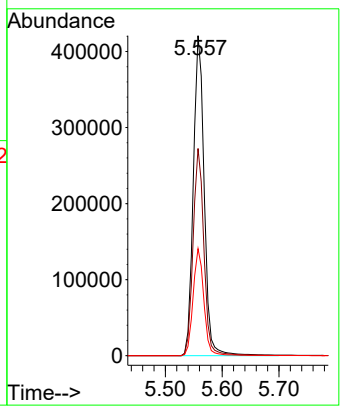


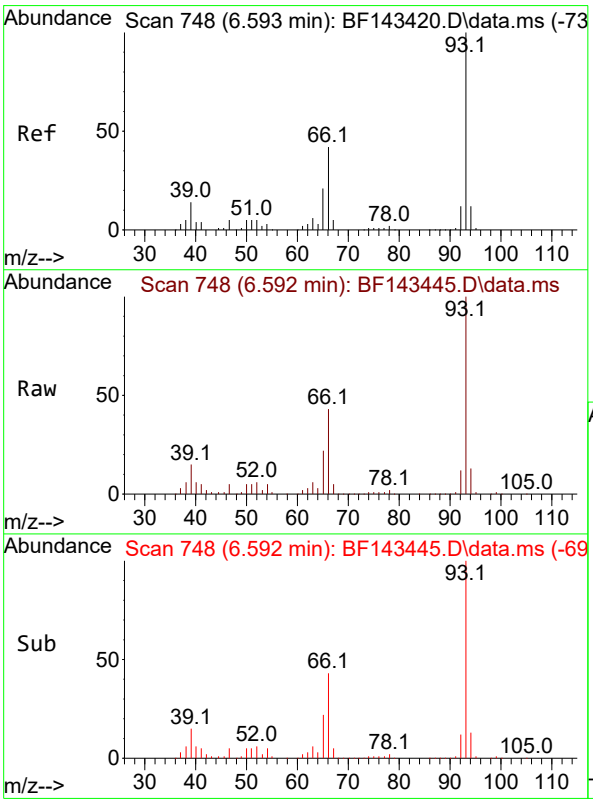
#5
2-Fluorophenol
Concen: 79.295 ng
RT: 5.557 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 565004

Ion	Ratio	Lower	Upper
112	100		
64	64.7	52.2	78.2
63	33.5	27.0	40.6

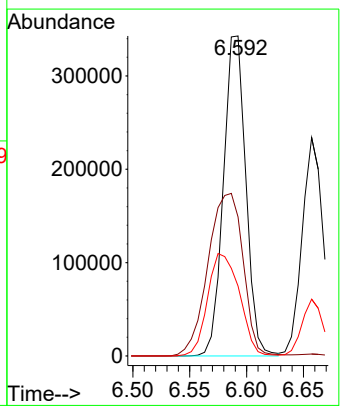


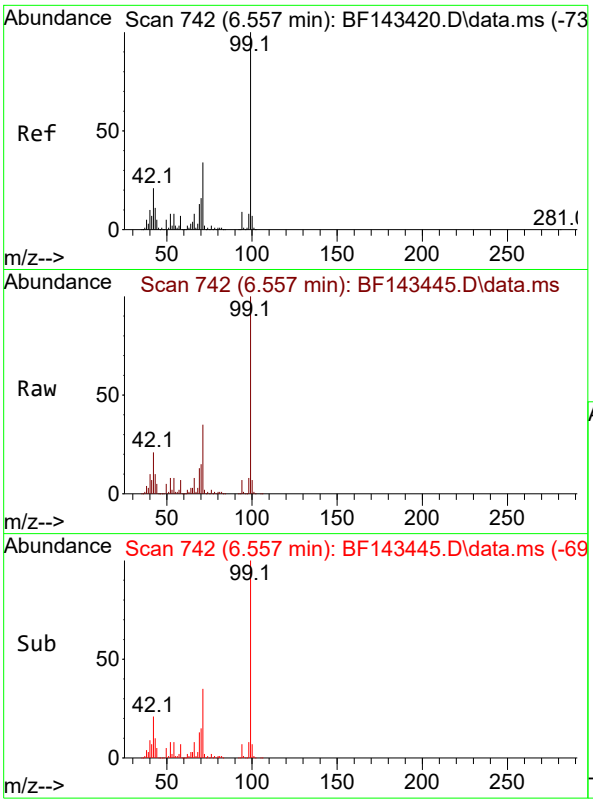


#6
Aniline
Concen: 38.658 ng
RT: 6.592 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion: 93 Resp: 471259

Ion	Ratio	Lower	Upper
93	100		
66	43.4	33.8	50.8
65	21.8	17.2	25.8



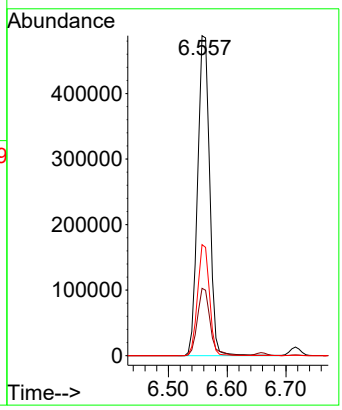


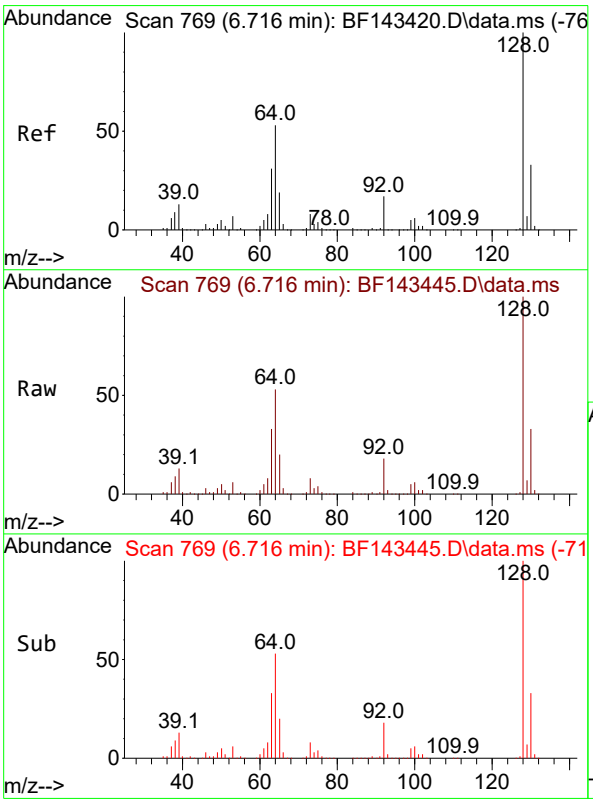
#7
Phenol-d6
Concen: 77.152 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 692796

Ion	Ratio	Lower	Upper
99	100		
42	21.1	17.0	25.6
71	34.7	27.4	41.2

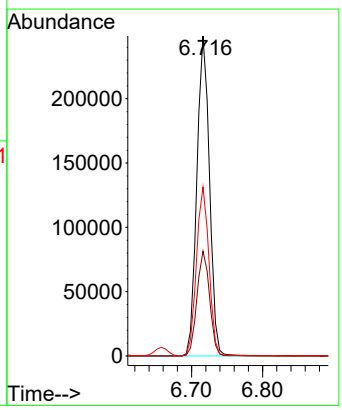


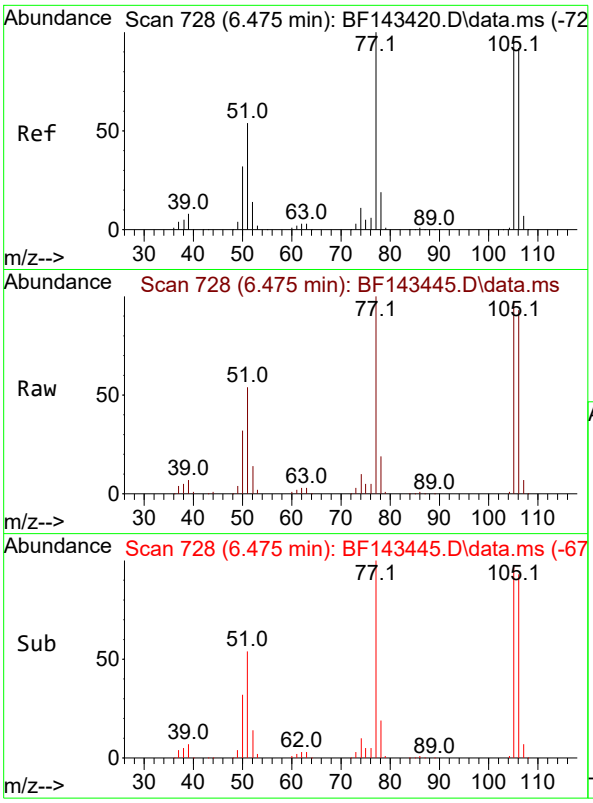


#8
2-Chlorophenol
Concen: 39.185 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:128 Resp: 308249

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.9	52.9
64	52.8	33.1	73.1



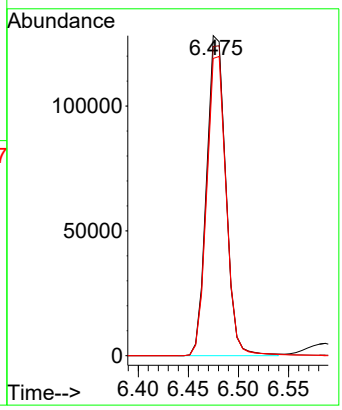


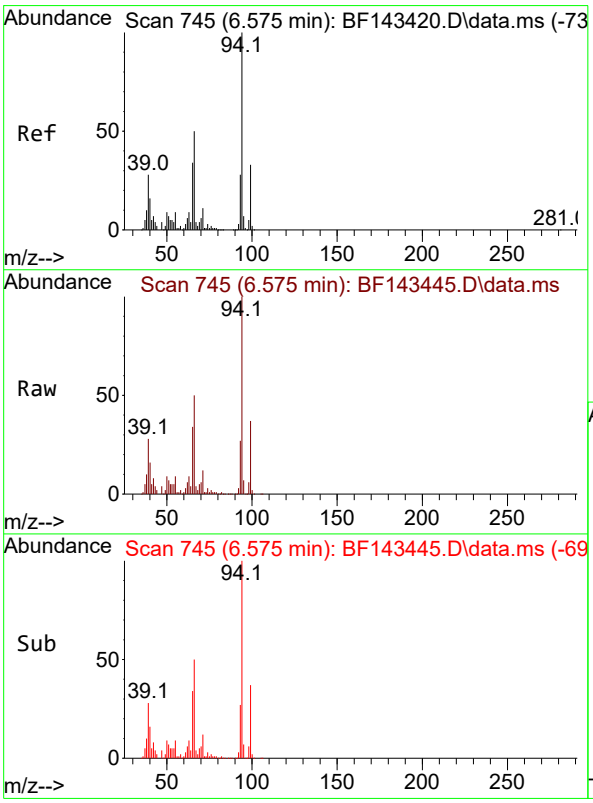
#9
Benzaldehyde
Concen: 35.792 ng
RT: 6.475 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 170980

Ion	Ratio	Lower	Upper
77	100		
105	96.6	75.5	115.5
106	92.9	72.0	112.0

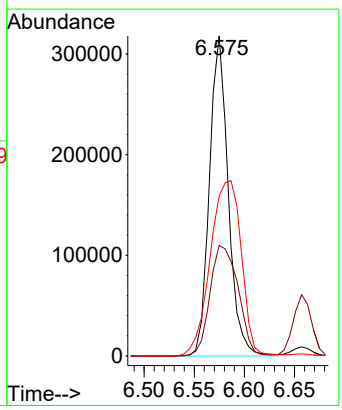


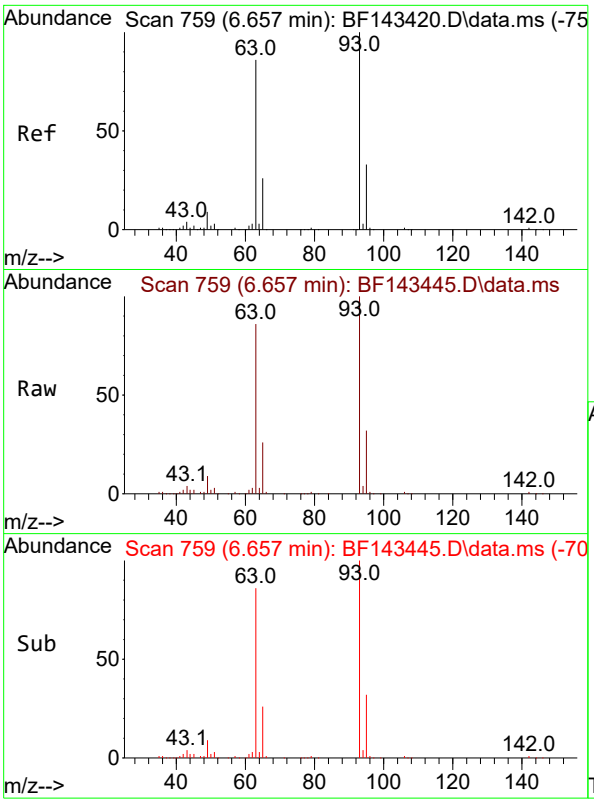


#10
Phenol
Concen: 39.491 ng
RT: 6.575 min Scan# 745
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion: 94 Resp: 413806

Ion	Ratio	Lower	Upper
94	100		
65	34.5	13.7	53.7
66	50.0	30.3	70.3



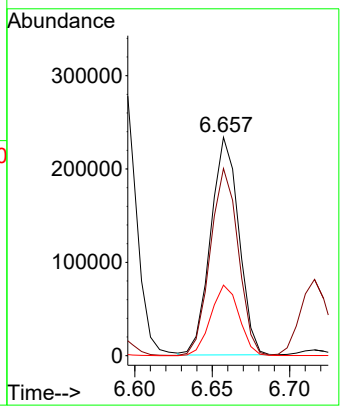


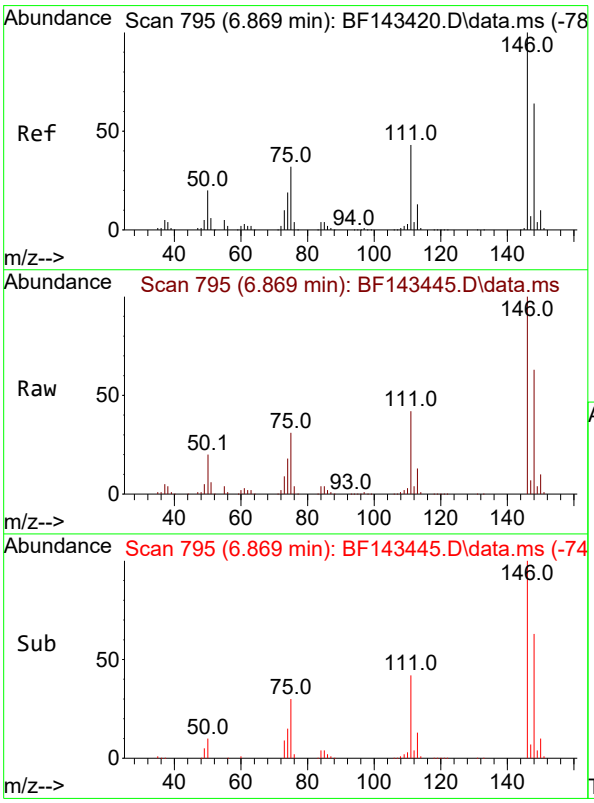
#11
bis(2-Chloroethyl)ether
Concen: 37.999 ng
RT: 6.657 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 295147

Ion	Ratio	Lower	Upper
93	100		
63	85.7	65.4	105.4
95	32.3	12.8	52.8

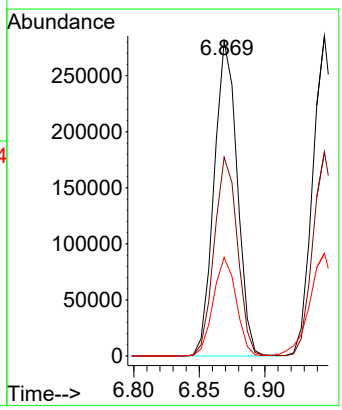


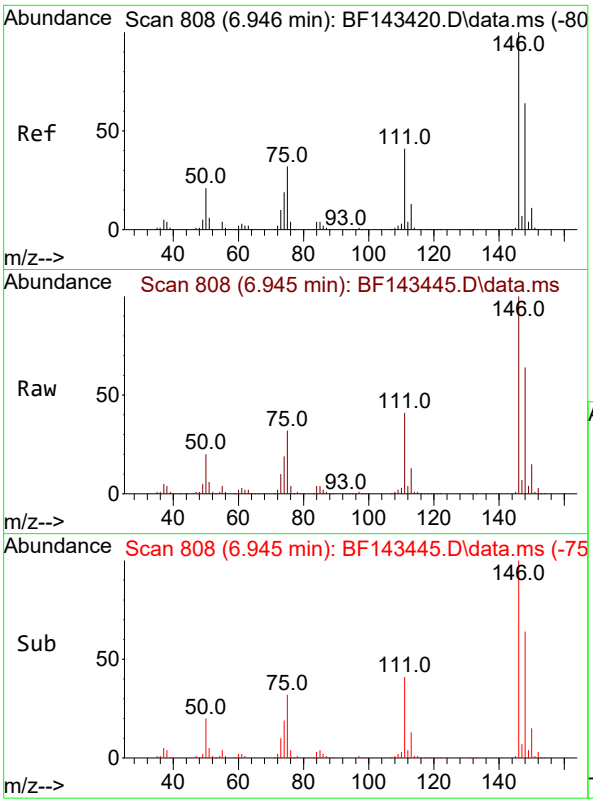


#12
1,3-Dichlorobenzene
Concen: 38.991 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:146 Resp: 343593

Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.0	76.4
75	31.4	25.3	37.9



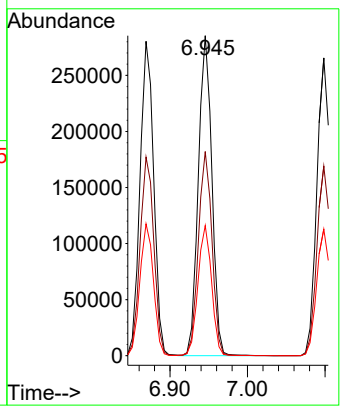


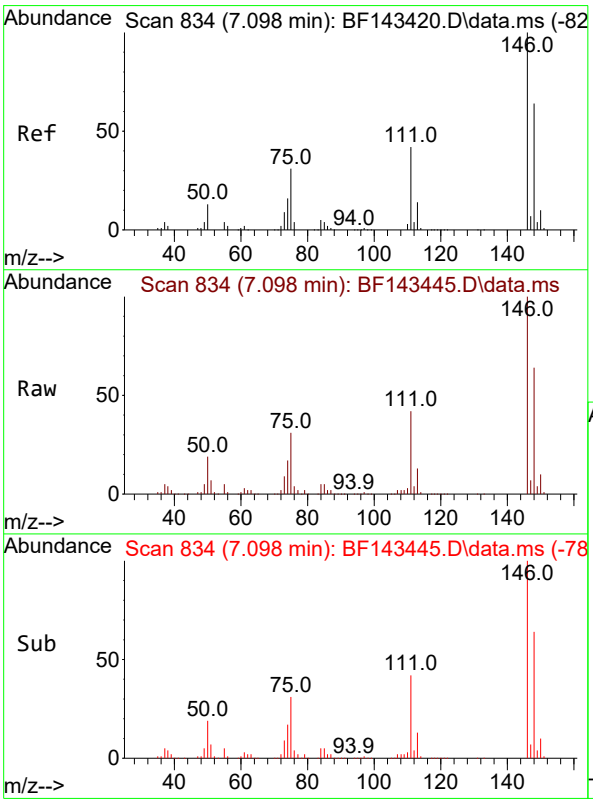
#13
1,4-Dichlorobenzene
Concen: 39.423 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 346825

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.1	76.7
111	40.7	32.5	48.7

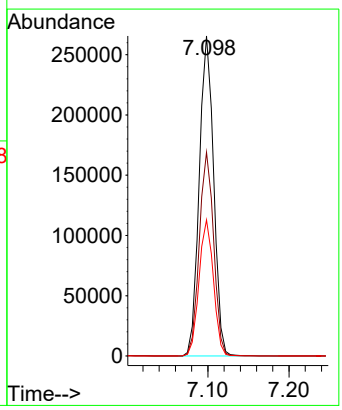


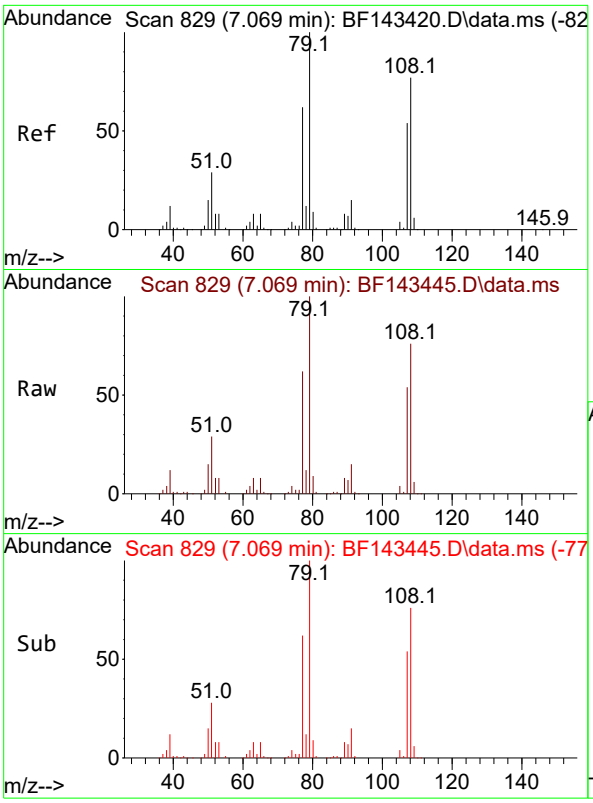


#14
1,2-Dichlorobenzene
Concen: 38.919 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:146 Resp: 327027

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.4	77.0
111	42.5	33.9	50.9



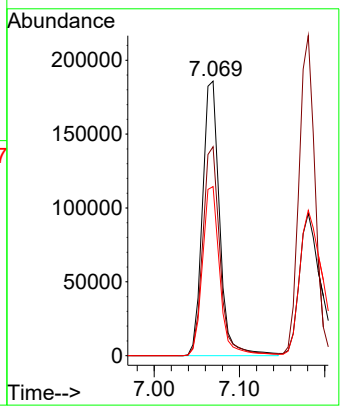


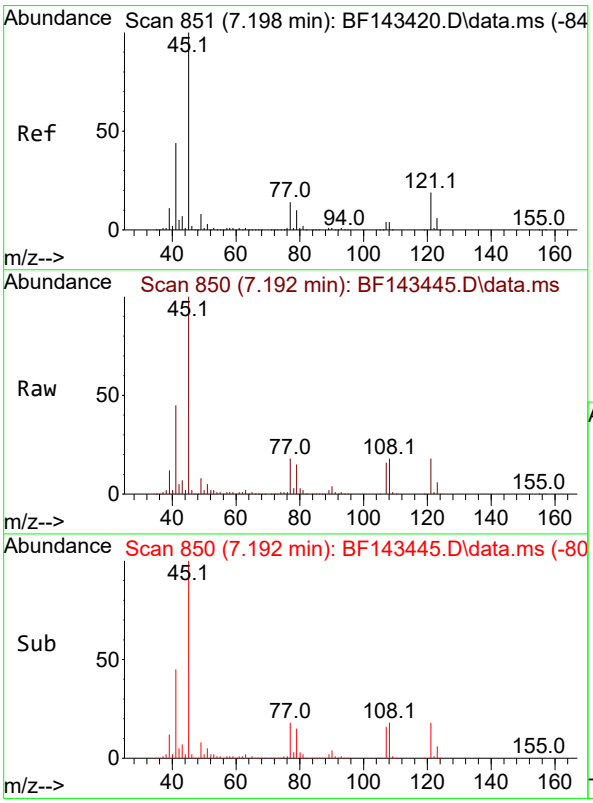
#15
Benzyl Alcohol
Concen: 39.331 ng
RT: 7.069 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 260456

Ion	Ratio	Lower	Upper
79	100		
108	76.1	61.9	92.9
77	61.6	49.2	73.8

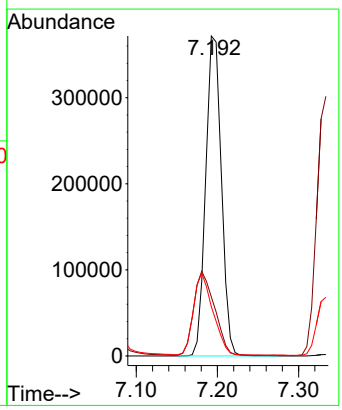


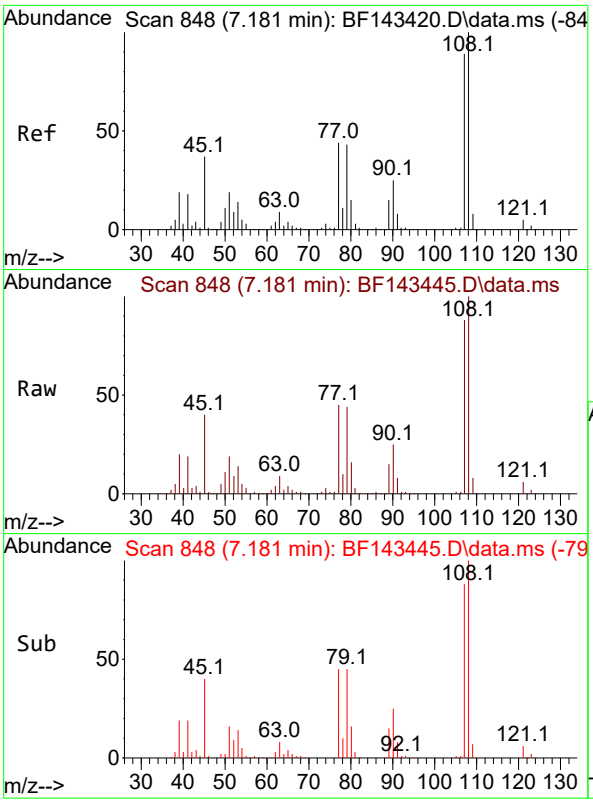


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.514 ng
RT: 7.192 min Scan# 850
Delta R.T. -0.006 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion: 45 Resp: 498135

Ion	Ratio	Lower	Upper
45	100		
77	18.4	0.0	33.9
79	15.4	0.0	30.7



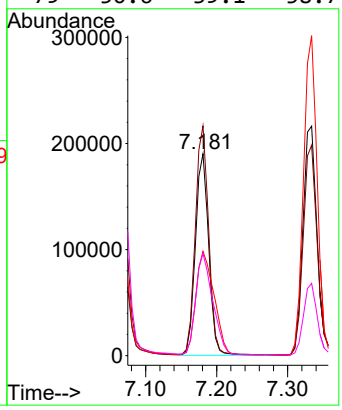


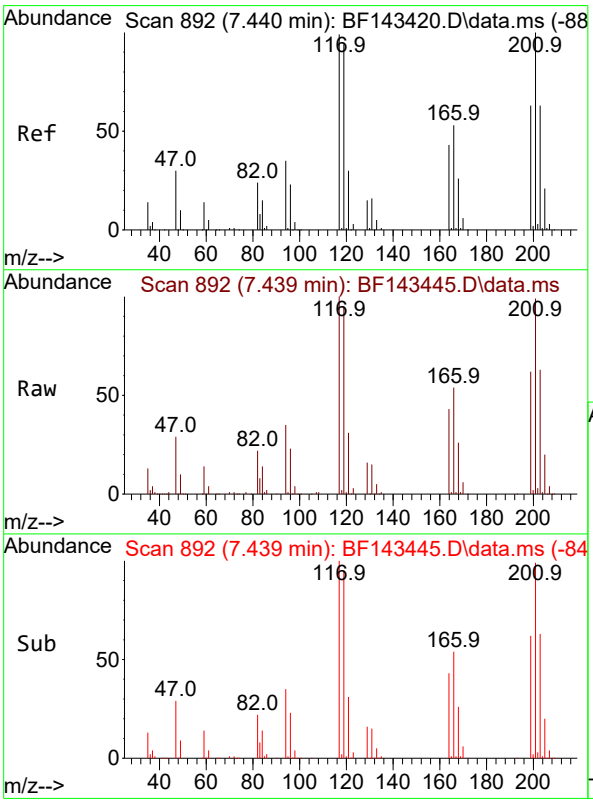
#17
2-Methylphenol
Concen: 38.760 ng
RT: 7.181 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 248774

Ion	Ratio	Lower	Upper
107	100		
108	113.8	90.1	135.1
77	51.7	39.9	59.9
79	50.6	39.1	58.7

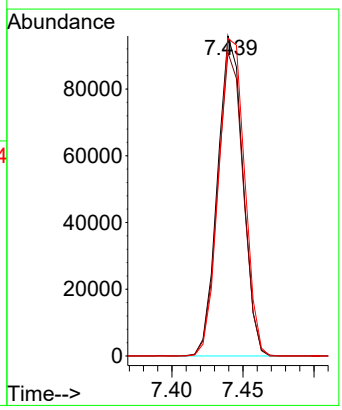


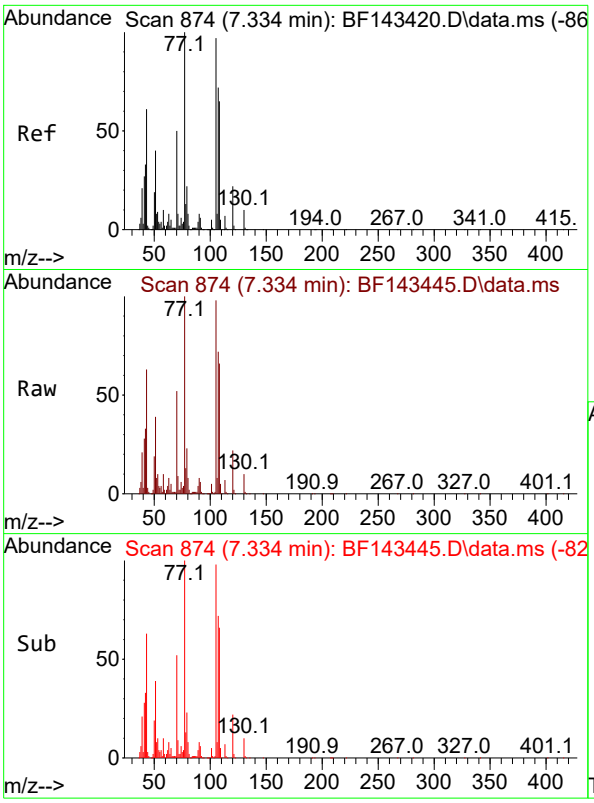


#18
Hexachloroethane
Concen: 39.692 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:117 Resp: 118857

Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.6	114.8
201	99.2	81.0	121.4



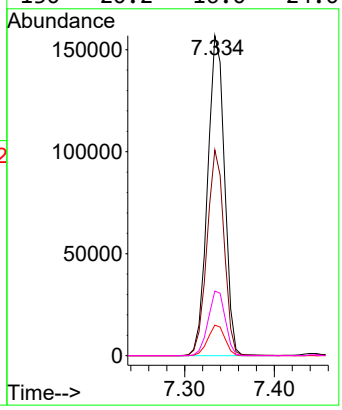


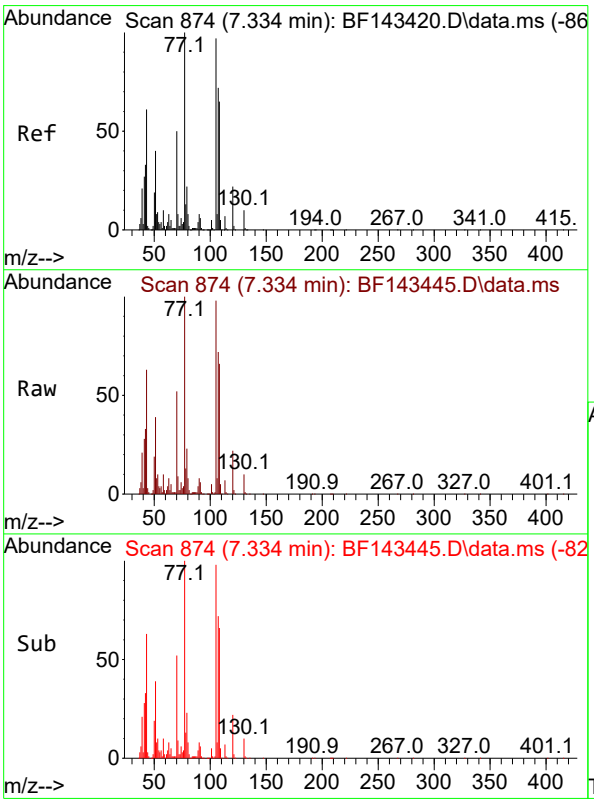
#19
n-Nitroso-di-n-propylamine
Concen: 37.046 ng
RT: 7.334 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 205941

Ion	Ratio	Lower	Upper
70	100		
42	64.3	52.5	78.7
101	9.6	7.9	11.9
130	20.2	16.0	24.0

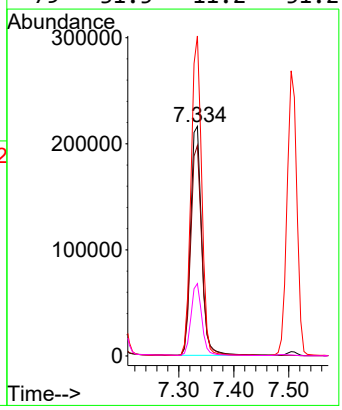


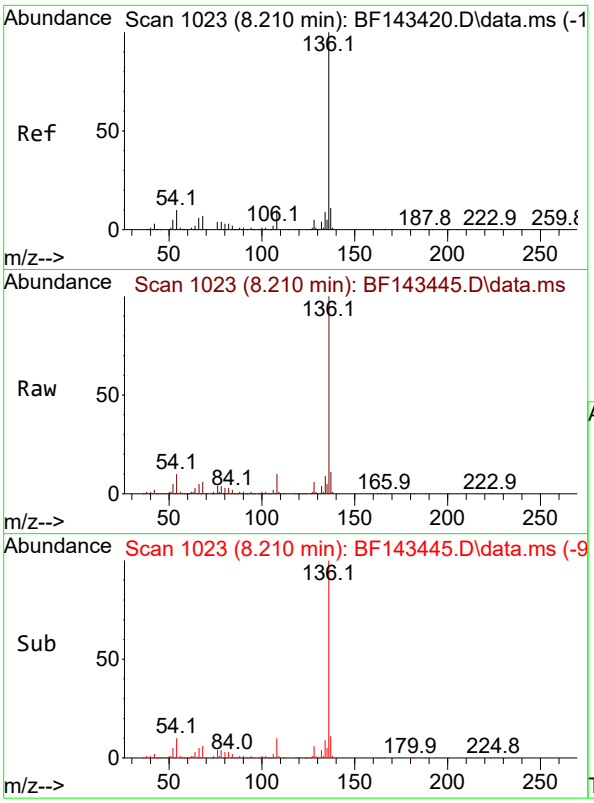


#20
3+4-Methylphenols
Concen: 39.344 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:107 Resp: 301872

Ion	Ratio	Lower	Upper
107	100		
108	91.7	70.8	110.8
77	139.4	119.1	159.1
79	31.5	11.2	51.2



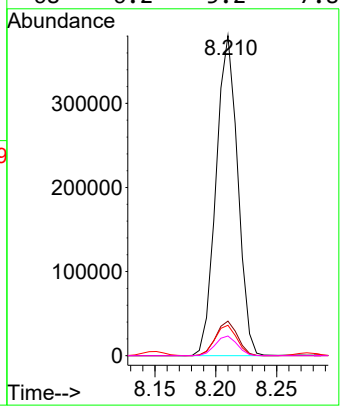


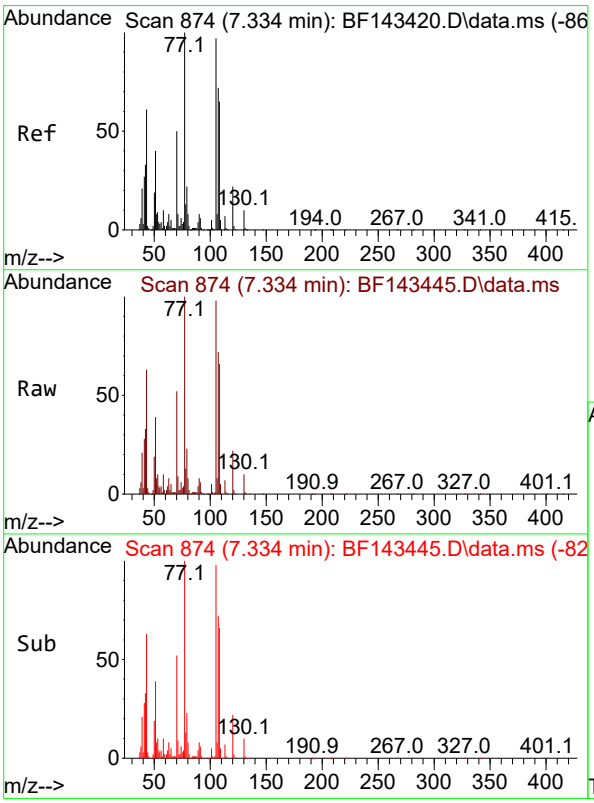
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 470823

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	9.5	7.8	11.8
68	6.2	5.2	7.8

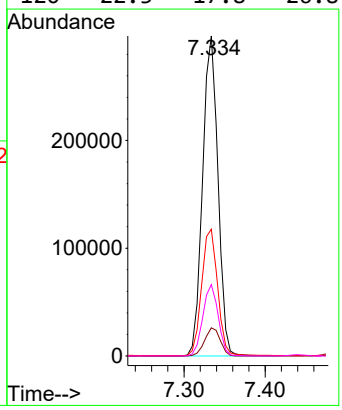


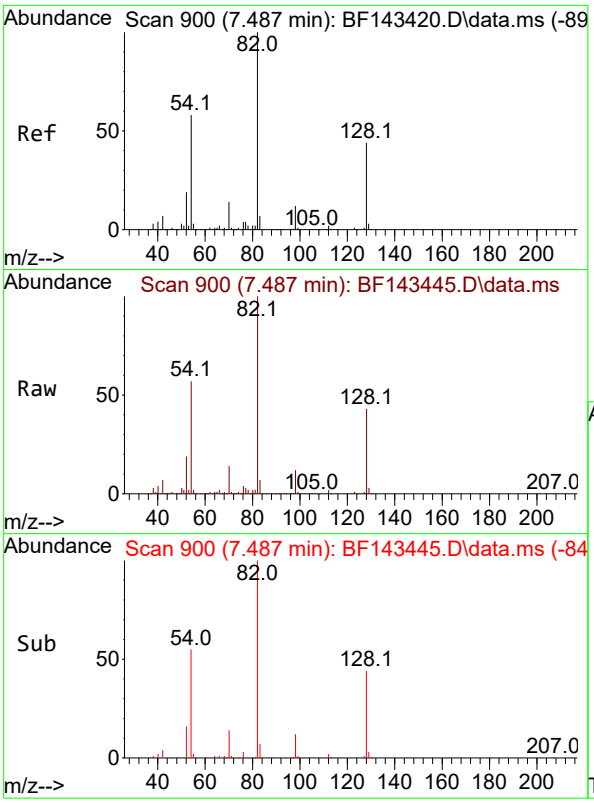


#22
Acetophenone
Concen: 38.557 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:105 Resp: 390316

Ion	Ratio	Lower	Upper
105	100		
71	8.8	7.0	10.4
51	39.6	32.7	49.1
120	22.3	17.8	26.8



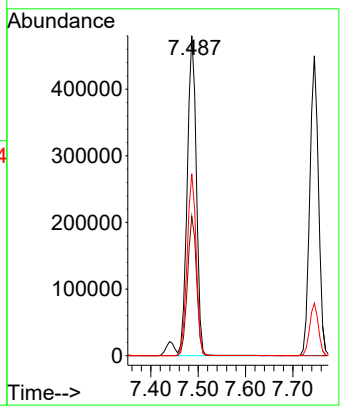


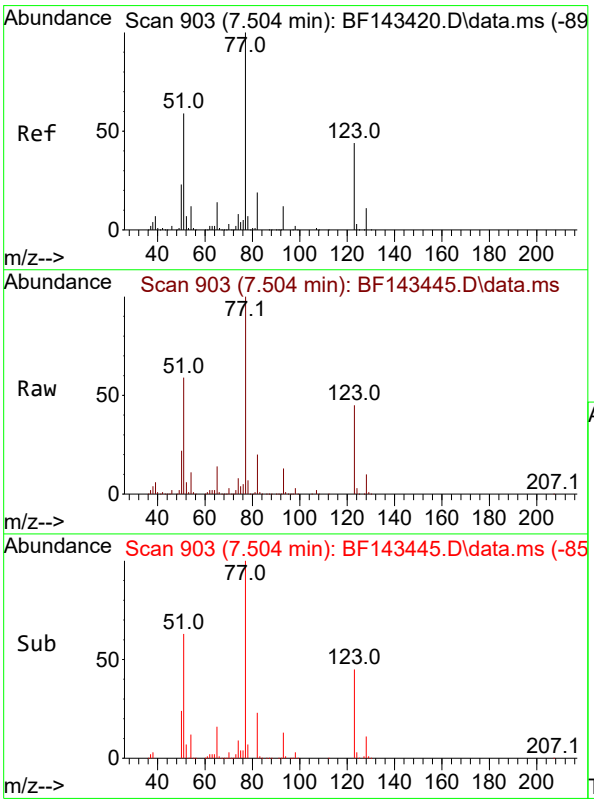
#23
Nitrobenzene-d5
Concen: 80.806 ng
RT: 7.487 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 641151

Ion	Ratio	Lower	Upper
82	100		
128	43.5	34.6	52.0
54	56.8	46.0	69.0

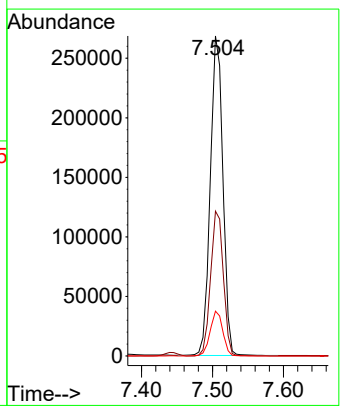


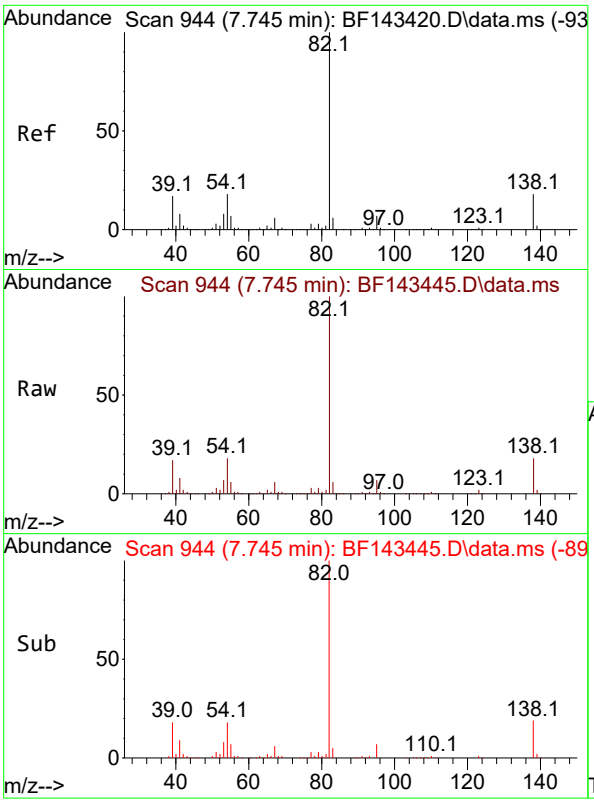


#24
Nitrobenzene
Concen: 40.006 ng
RT: 7.504 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion: 77 Resp: 331755

Ion	Ratio	Lower	Upper
77	100		
123	45.3	35.4	53.0
65	14.0	11.2	16.8



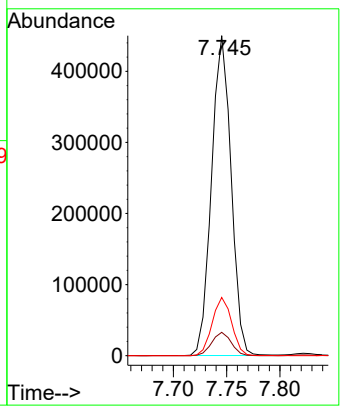


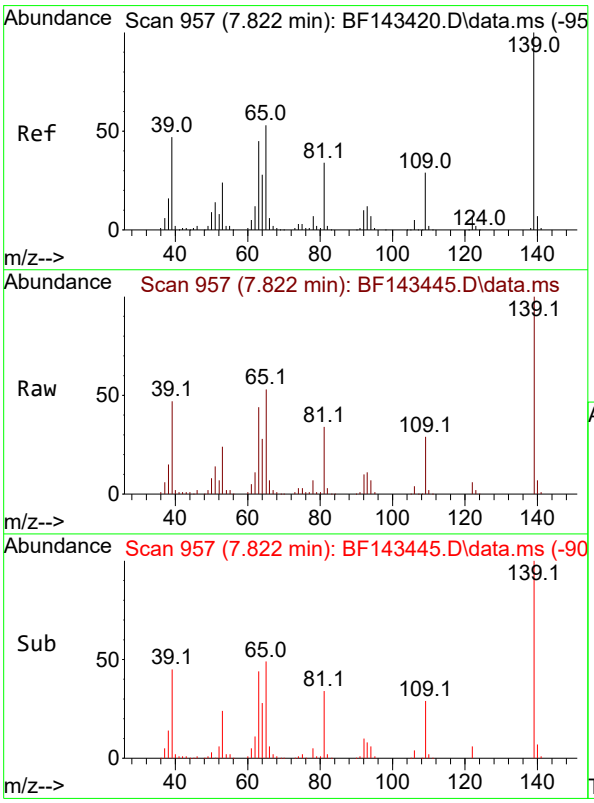
#25
Isophorone
Concen: 37.797 ng
RT: 7.745 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 573979

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.6	8.4
138	18.2	14.3	21.5

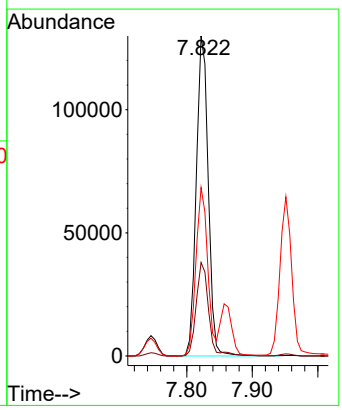


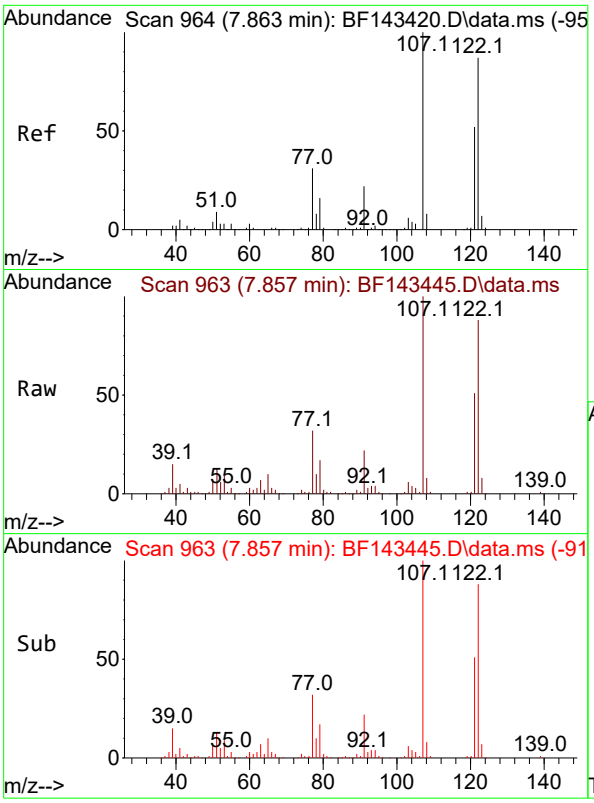


#26
2-Nitrophenol
Concen: 43.029 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:139 Resp: 165419

Ion	Ratio	Lower	Upper
139	100		
109	29.2	23.0	34.4
65	52.7	42.5	63.7



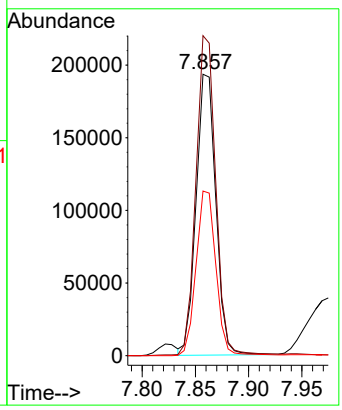


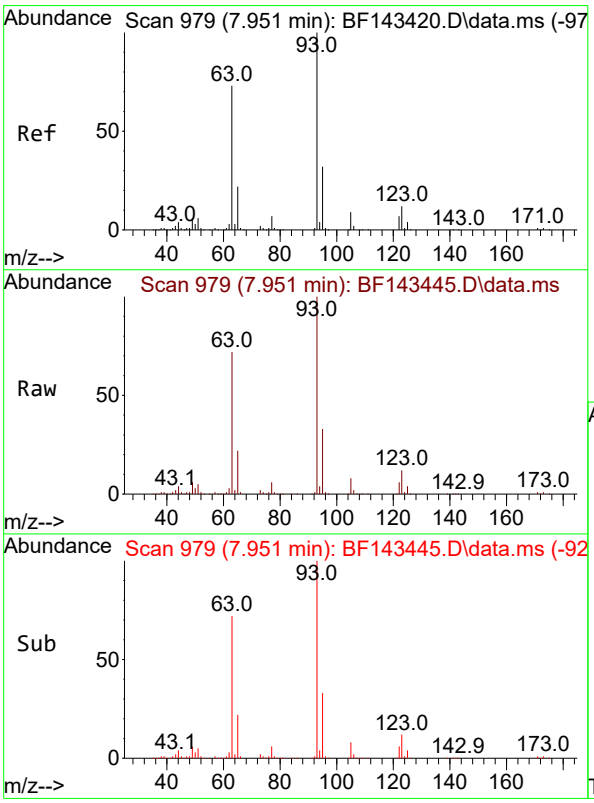
#27
2,4-Dimethylphenol
Concen: 38.468 ng
RT: 7.857 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 250041

Ion	Ratio	Lower	Upper
122	100		
107	113.7	90.4	135.6
121	58.5	46.7	70.1

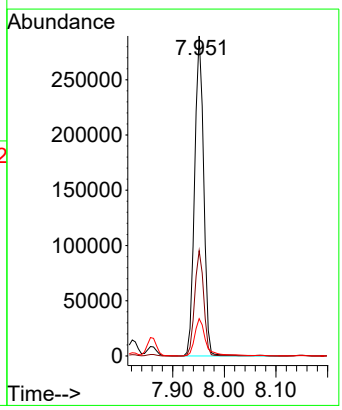


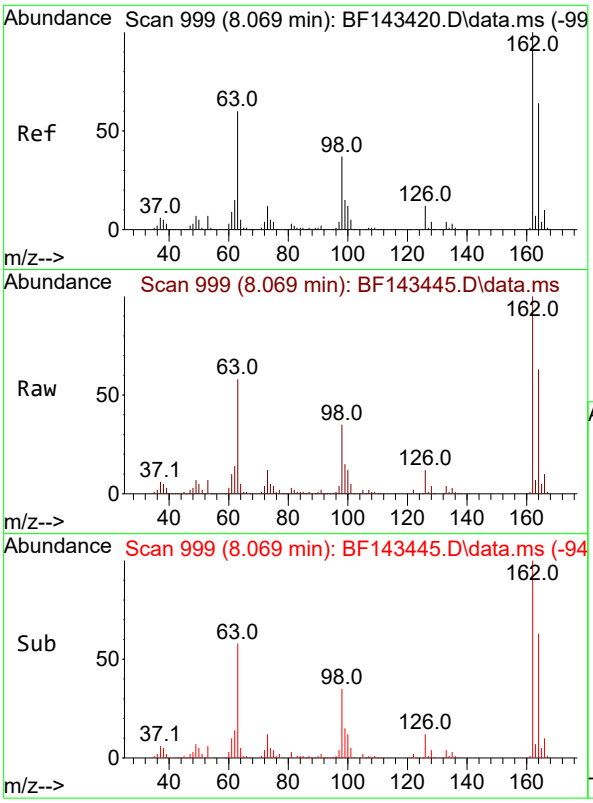


#28
bis(2-Chloroethoxy)methane
Concen: 37.982 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion: 93 Resp: 354531

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.0	39.0
123	11.7	9.5	14.3



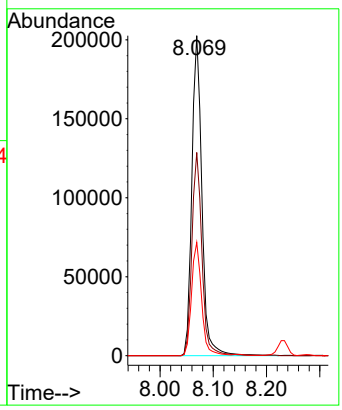


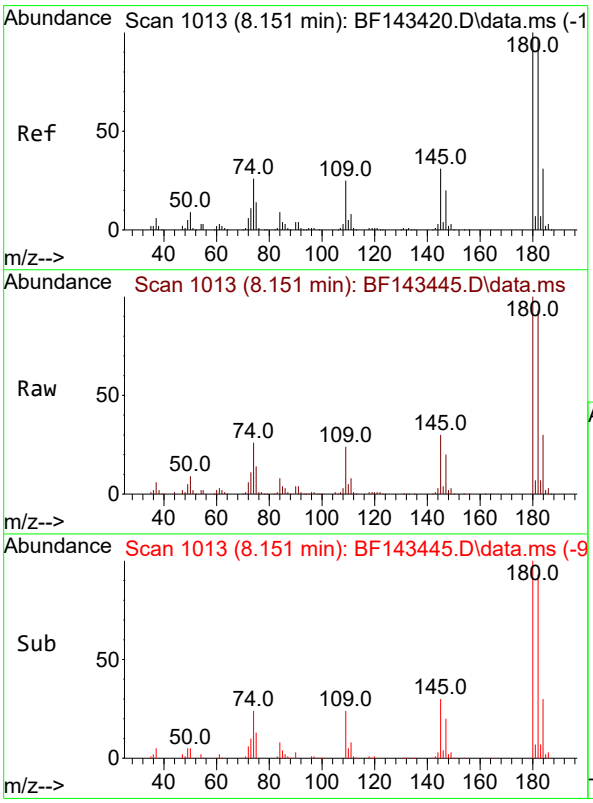
#29
2,4-Dichlorophenol
Concen: 40.155 ng
RT: 8.069 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 266068

Ion	Ratio	Lower	Upper
162	100		
164	63.5	44.3	84.3
98	35.4	16.9	56.9

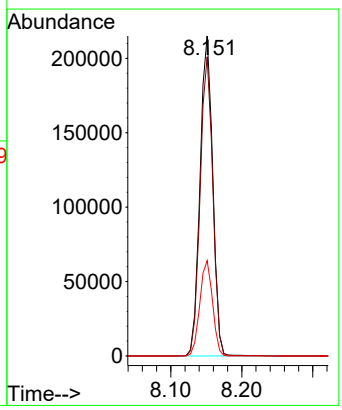


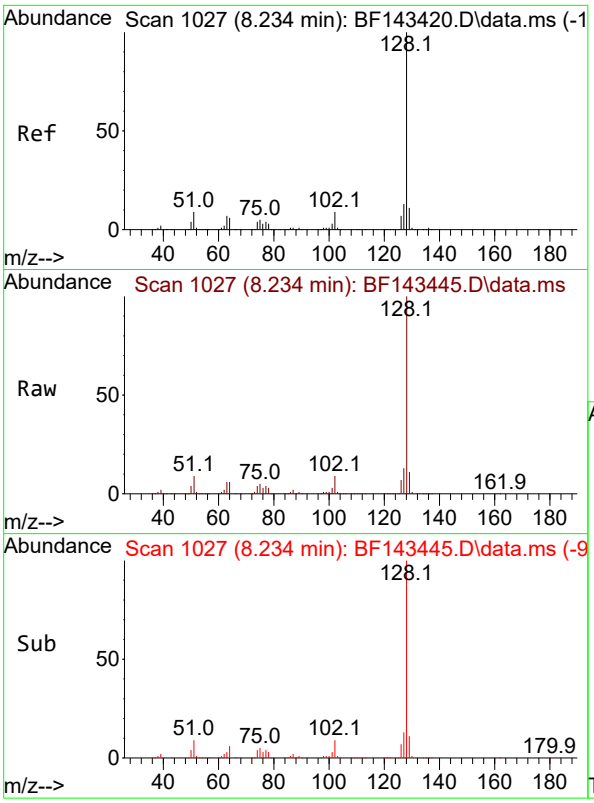


#30
1,2,4-Trichlorobenzene
Concen: 39.498 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:180 Resp: 268161

Ion	Ratio	Lower	Upper
180	100		
182	93.5	76.7	115.1
145	29.8	24.5	36.7



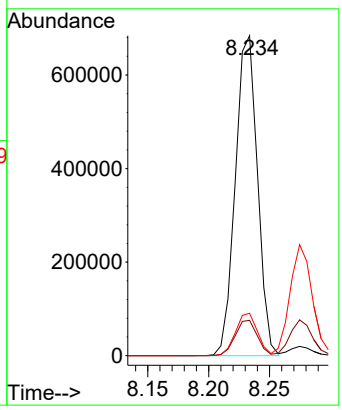


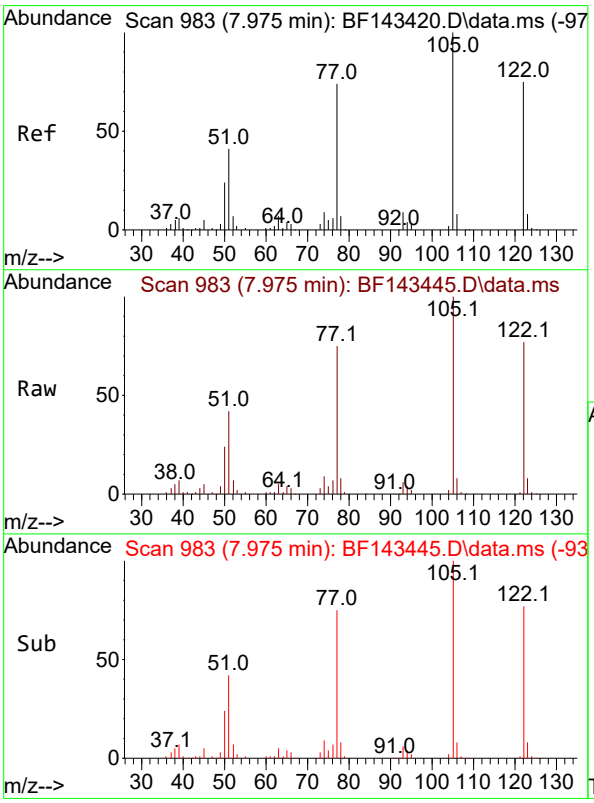
#31
Naphthalene
Concen: 38.697 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 864979

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.2	10.6	16.0

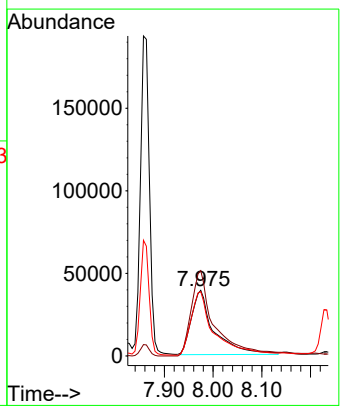


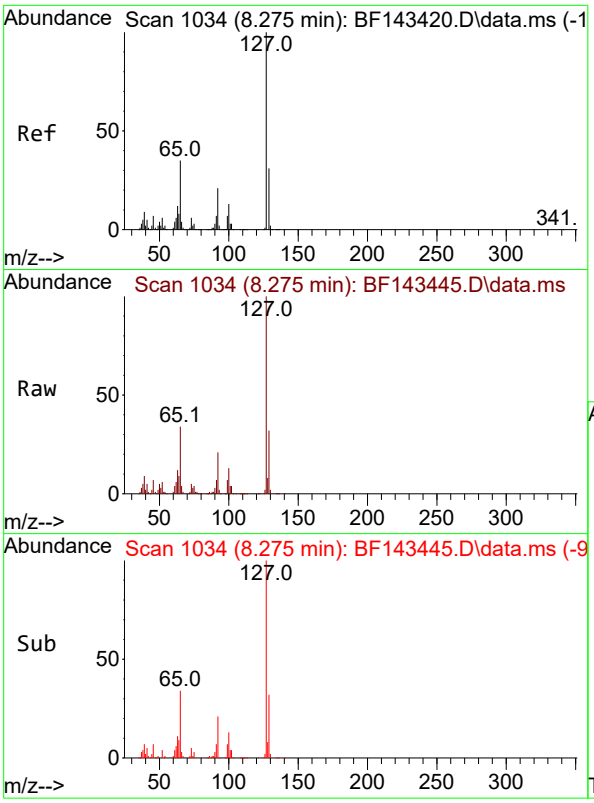


#32
Benzoic acid
Concen: 37.352 ng
RT: 7.975 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:122 Resp: 126267

Ion	Ratio	Lower	Upper
122	100		
105	130.0	108.4	148.4
77	98.0	75.9	115.9



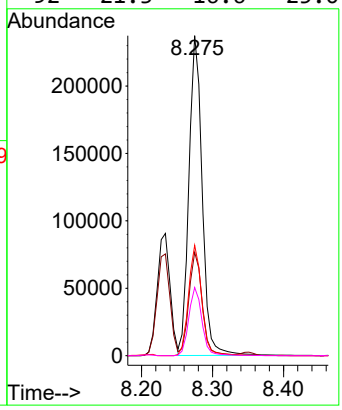


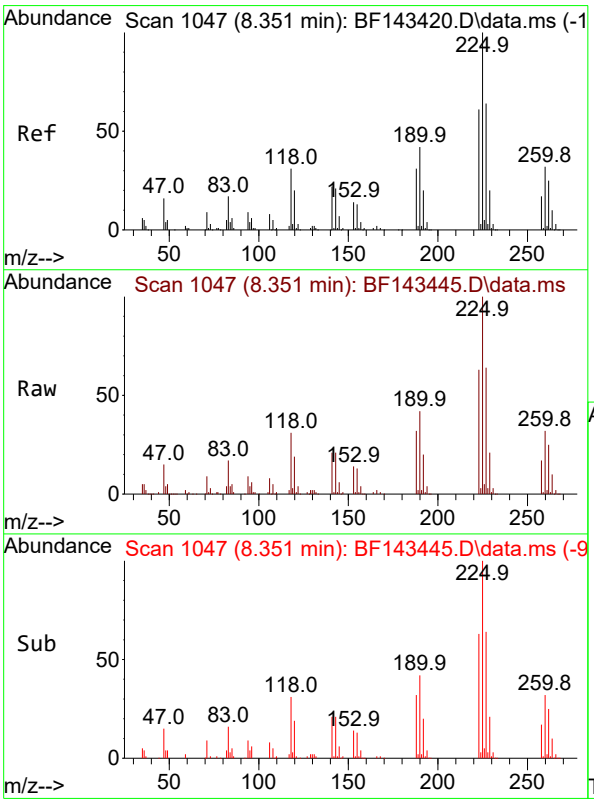
#33
4-Chloroaniline
Concen: 38.323 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 309199

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.8	38.8
65	34.5	27.2	40.8
92	21.3	16.6	25.0

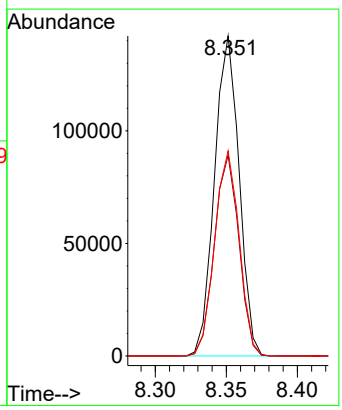


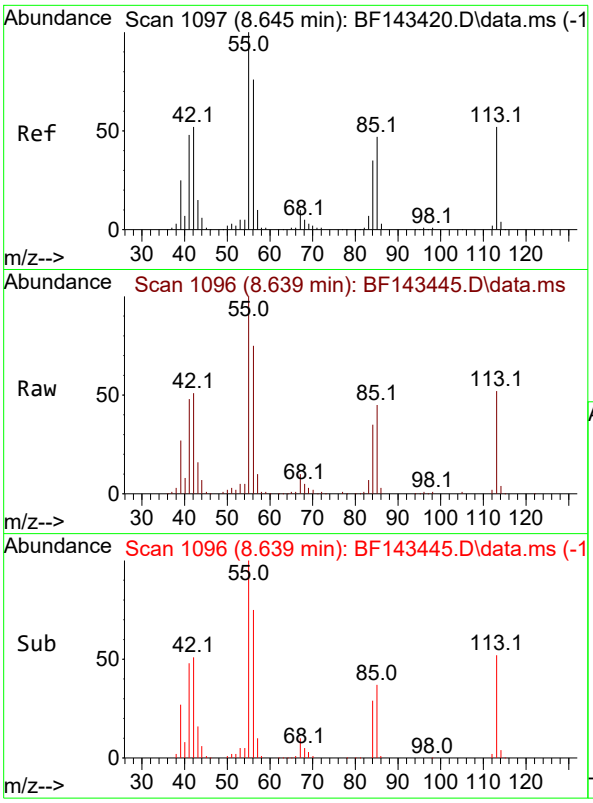


#34
Hexachlorobutadiene
Concen: 39.475 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:225 Resp: 170898

Ion	Ratio	Lower	Upper
225	100		
223	62.6	49.0	73.6
227	64.1	51.1	76.7



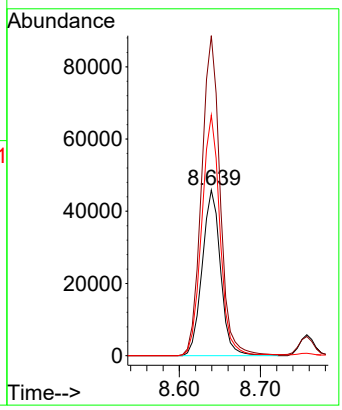


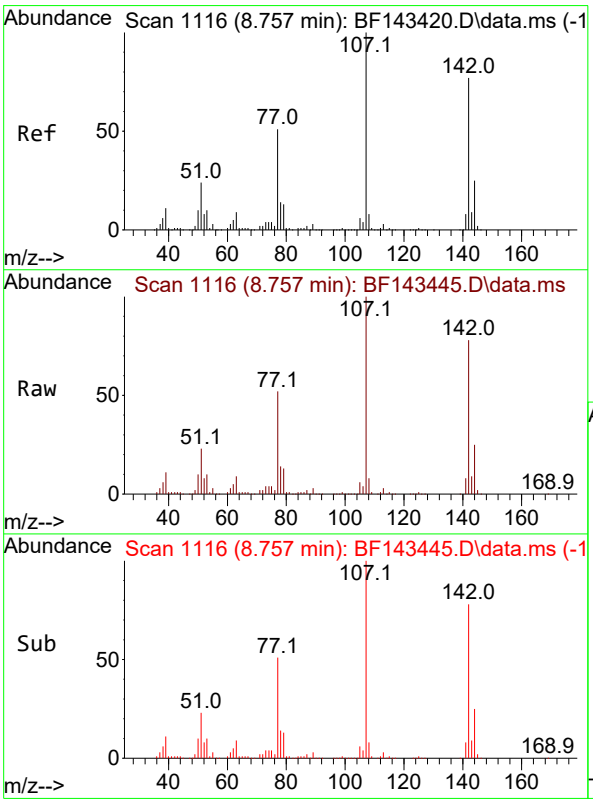
#35
Caprolactam
Concen: 37.614 ng
RT: 8.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 71754

Ion	Ratio	Lower	Upper
113	100		
55	193.1	174.7	214.7
56	145.1	127.0	167.0

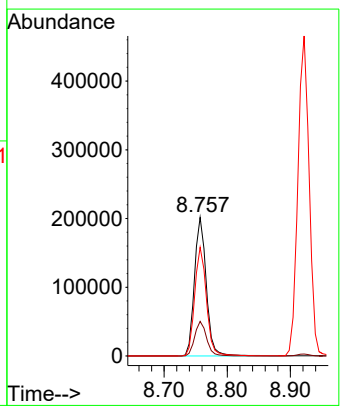


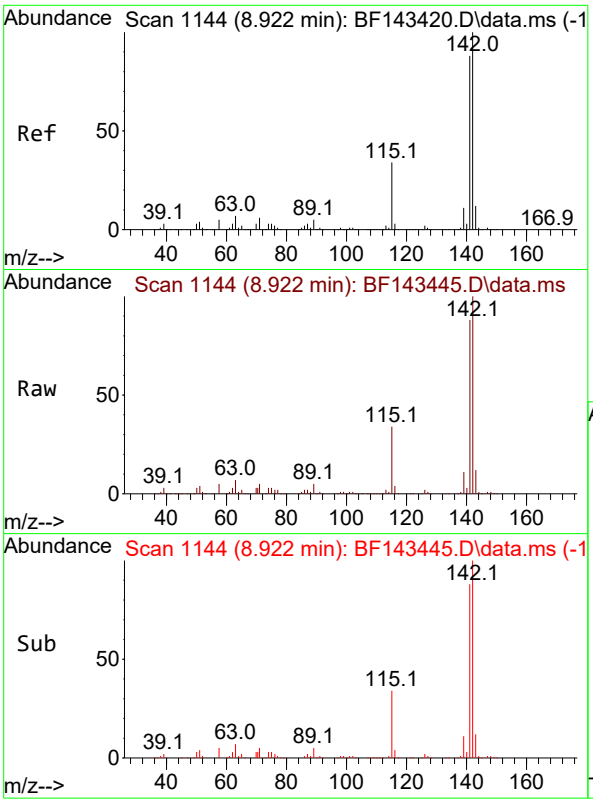


#36
4-Chloro-3-methylphenol
Concen: 38.544 ng
RT: 8.757 min Scan# 1116
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:107 Resp: 263029

Ion	Ratio	Lower	Upper
107	100		
144	25.0	20.2	30.2
142	78.4	62.0	93.0



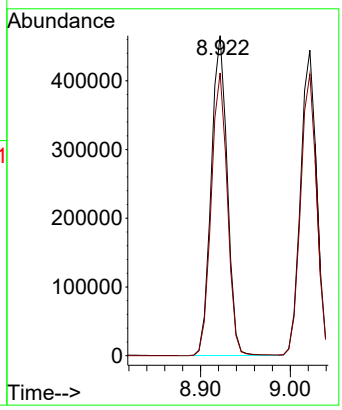


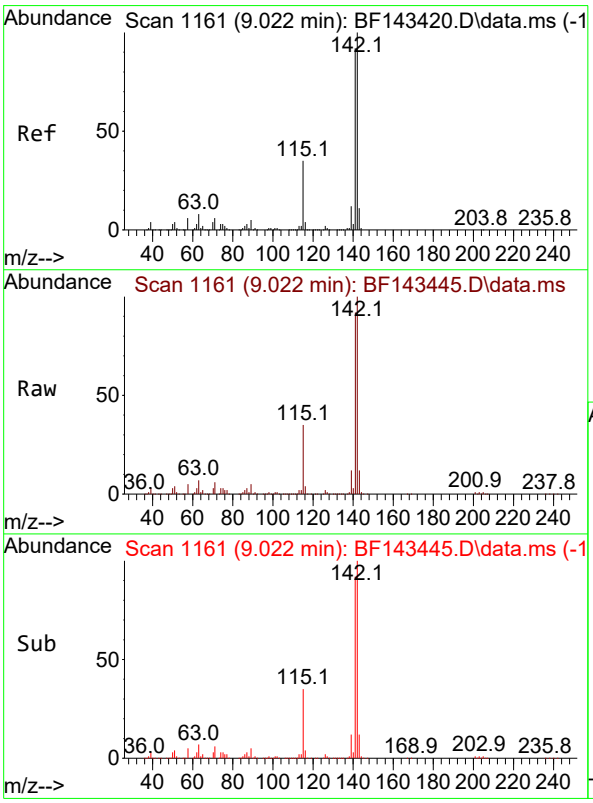
#37
2-Methylnaphthalene
Concen: 38.423 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 578915

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.3	105.5

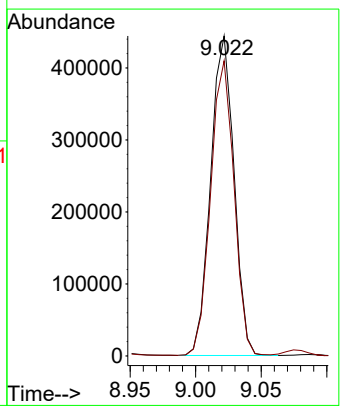


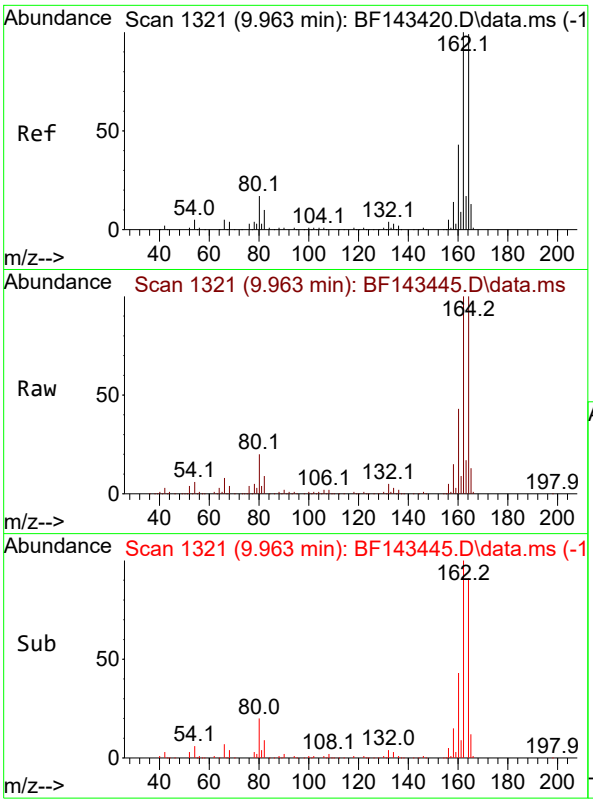


#38
1-Methylnaphthalene
Concen: 38.107 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:142 Resp: 550089

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.8	110.6



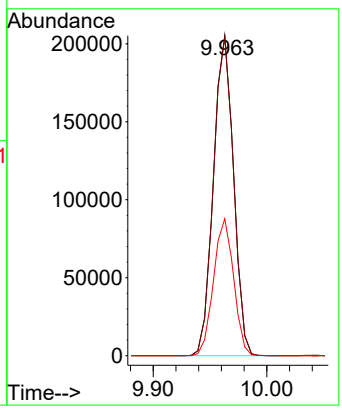


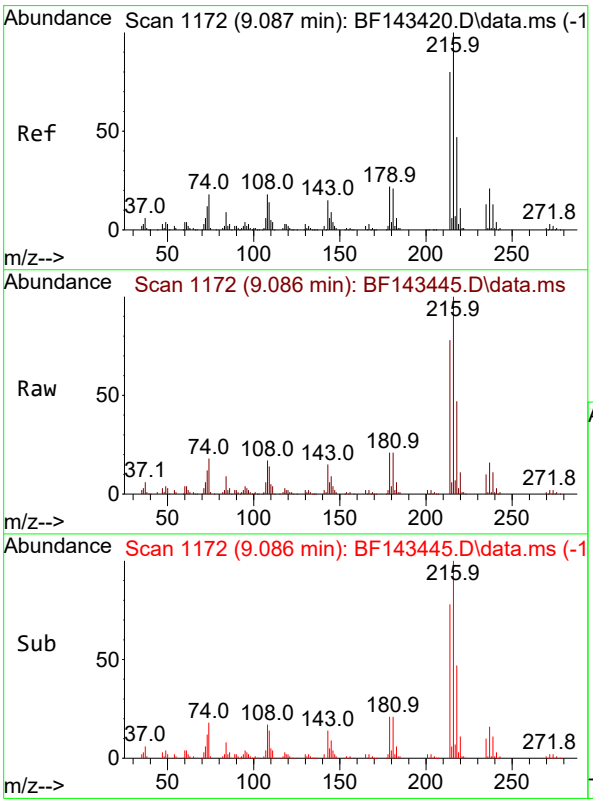
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 251926

Ion	Ratio	Lower	Upper
164	100		
162	99.6	80.6	121.0
160	42.8	34.6	51.8

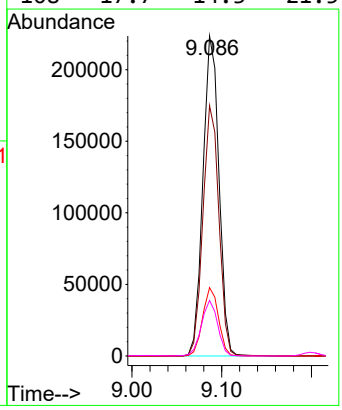


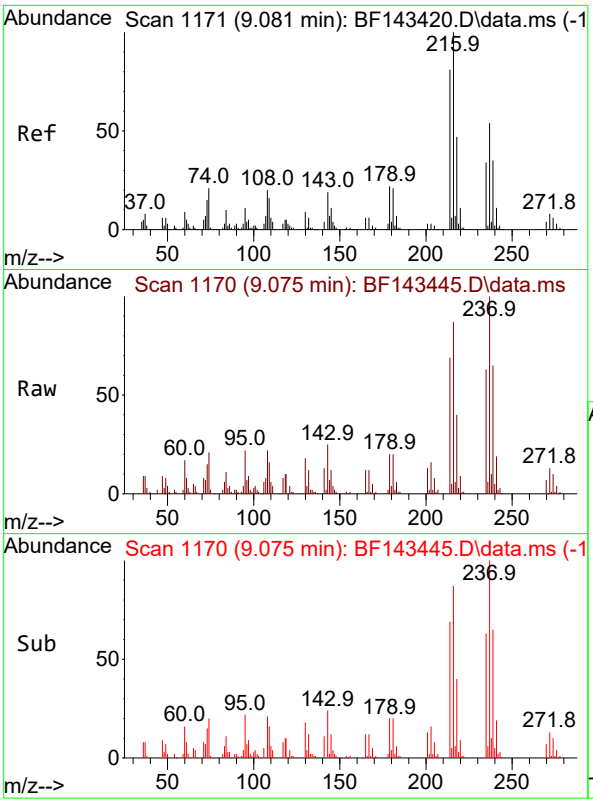


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.489 ng
RT: 9.086 min Scan# 1172
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:216 Resp: 277447

Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.7	95.5
179	21.1	17.0	25.4
108	17.7	14.3	21.5



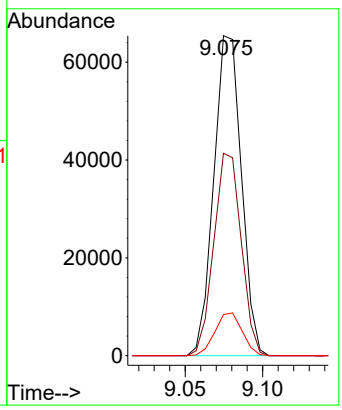


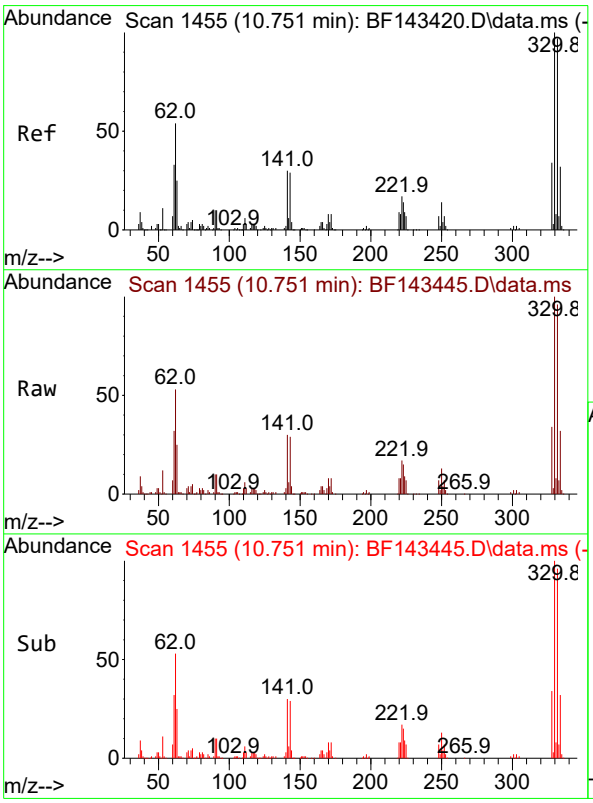
#41
Hexachlorocyclopentadiene
Concen: 35.643 ng
RT: 9.075 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 81116

Ion	Ratio	Lower	Upper
237	100		
235	63.3	41.6	81.6
272	12.9	0.0	33.8

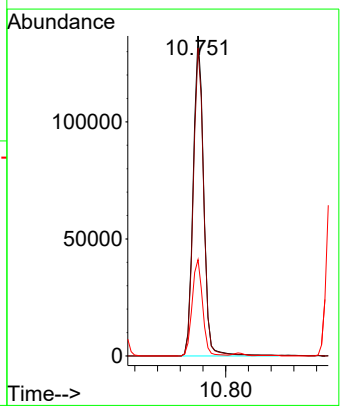


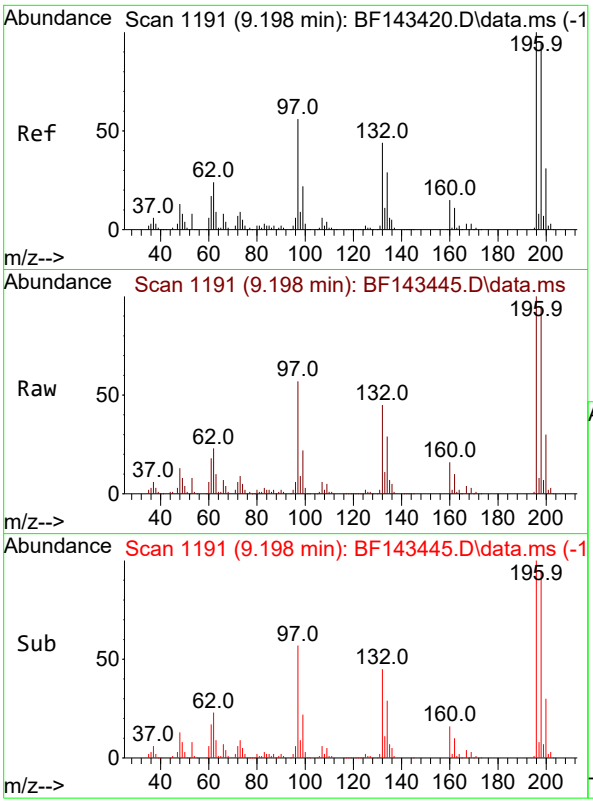


#42
2,4,6-Tribromophenol
Concen: 78.092 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:330 Resp: 175109

Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.4	116.2
141	30.3	24.1	36.1



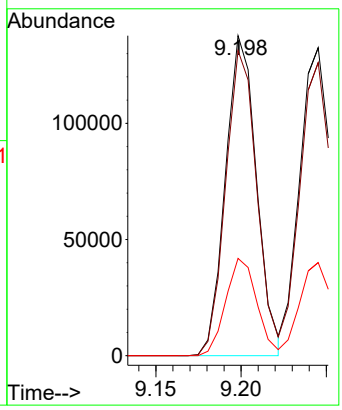


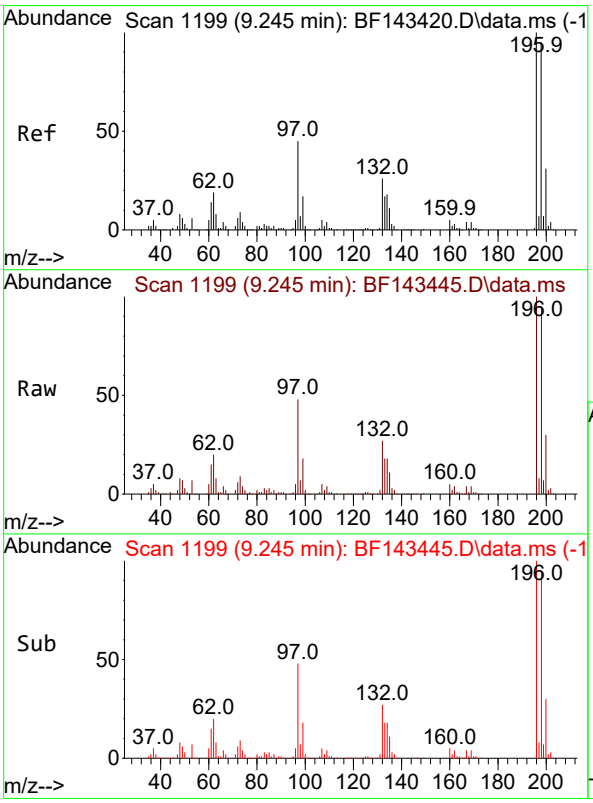
#43
2,4,6-Trichlorophenol
Concen: 39.809 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 174471

Ion	Ratio	Lower	Upper
196	100		
198	95.4	75.4	113.2
200	30.4	24.7	37.1

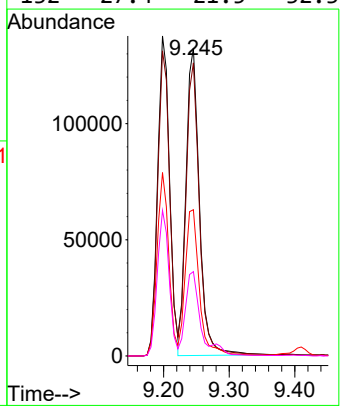


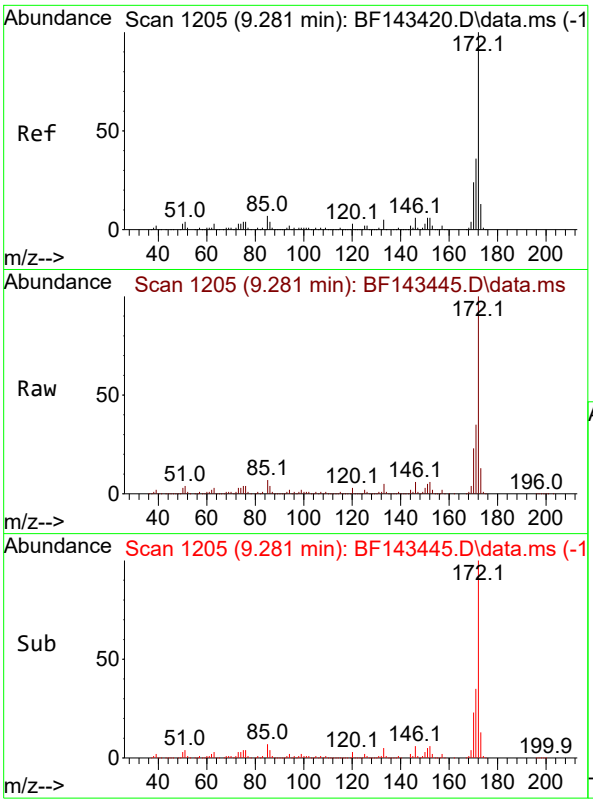


#44
2,4,5-Trichlorophenol
Concen: 40.168 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:196 Resp: 188711

Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.2	114.4
97	47.5	36.6	55.0
132	27.4	21.5	32.3



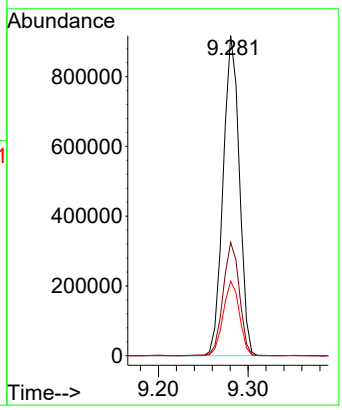


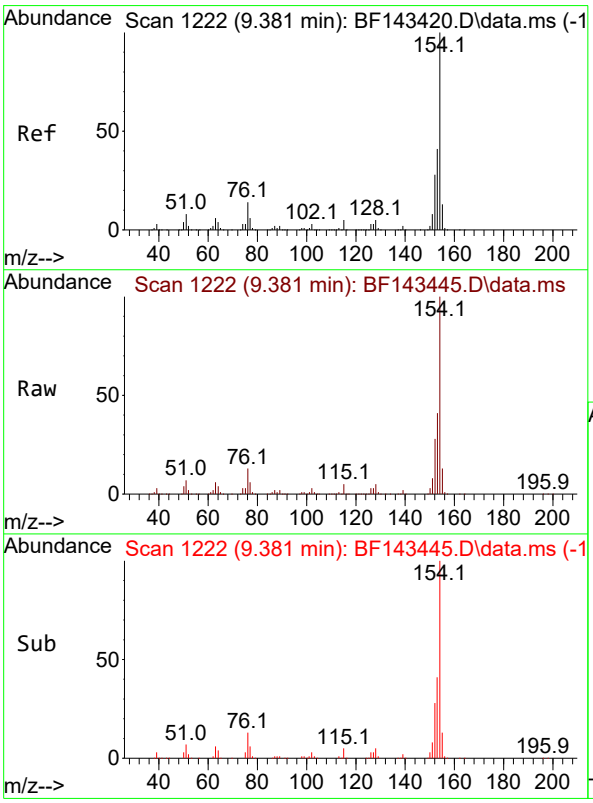
#45
2-Fluorobiphenyl
Concen: 76.880 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 1151496

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.7	43.1
170	23.3	19.0	28.6

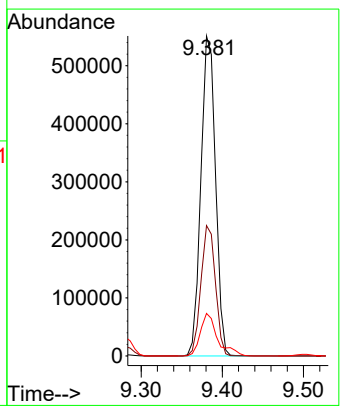


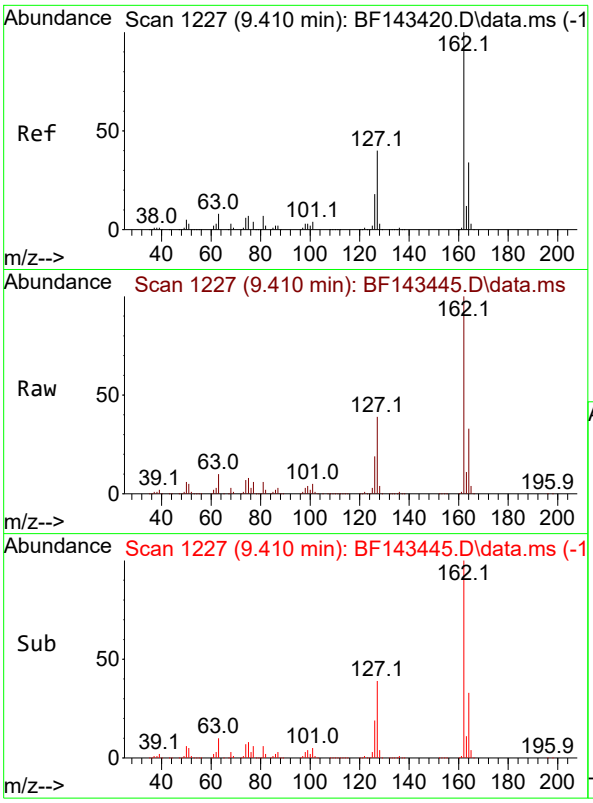


#46
1,1'-Biphenyl
Concen: 38.859 ng
RT: 9.381 min Scan# 1222
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:154 Resp: 687835

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.6	60.6
76	13.3	0.0	33.8



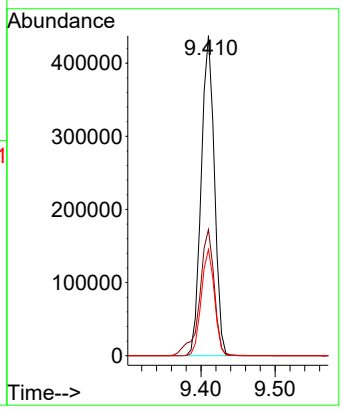


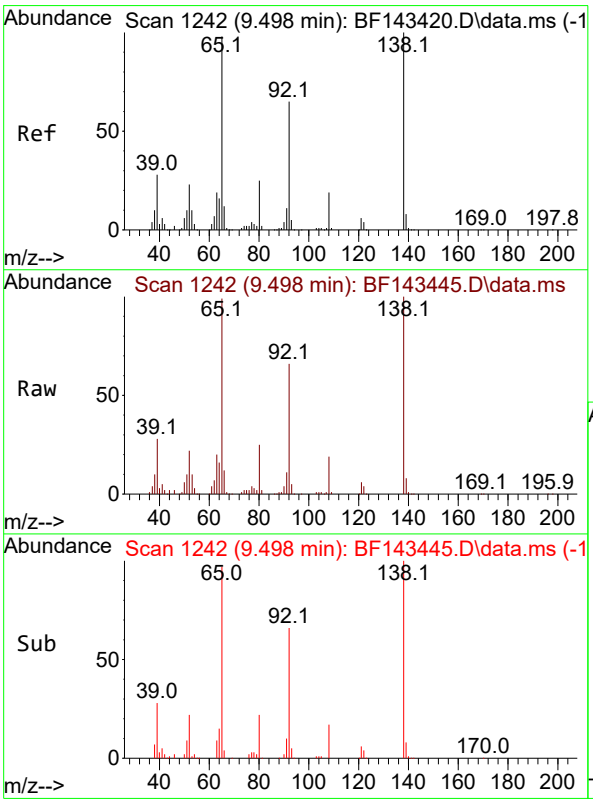
#47
2-Chloronaphthalene
Concen: 38.762 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 541591

Ion	Ratio	Lower	Upper
162	100		
127	39.4	32.3	48.5
164	33.2	26.9	40.3

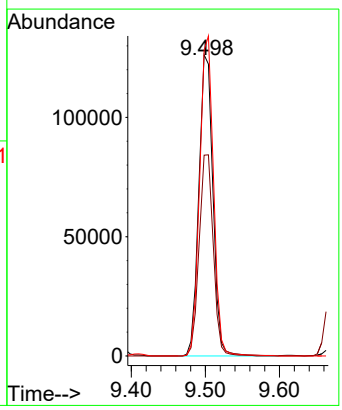


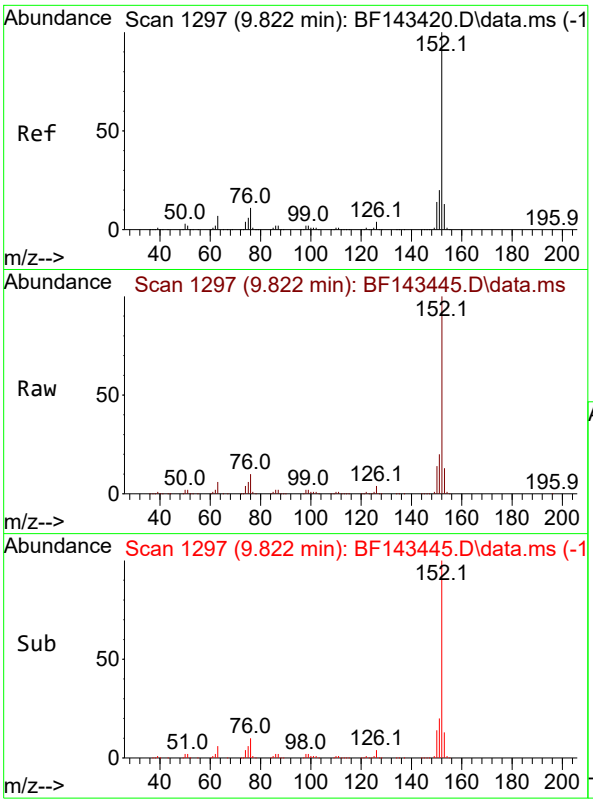


#48
2-Nitroaniline
Concen: 40.168 ng
RT: 9.498 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion: 65 Resp: 167018

Ion	Ratio	Lower	Upper
65	100		
92	66.7	52.9	79.3
138	101.5	81.3	121.9



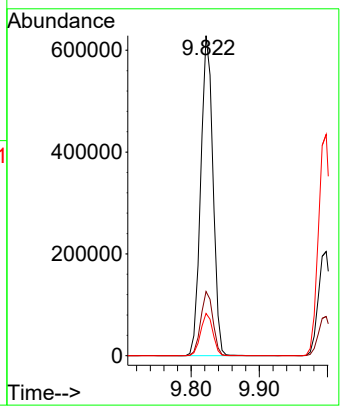


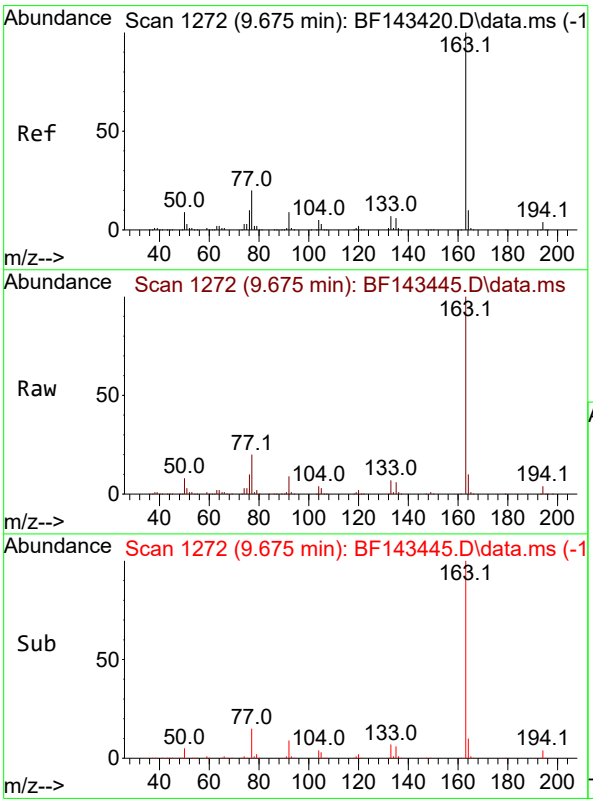
#49
Acenaphthylene
Concen: 38.817 ng
RT: 9.822 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 783068

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.0	24.0
153	13.2	10.8	16.2

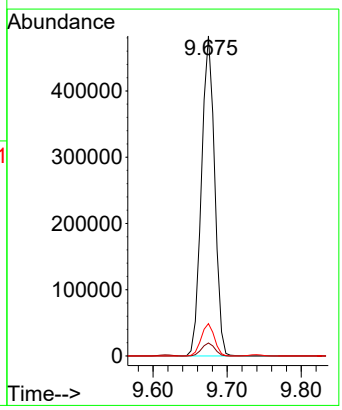


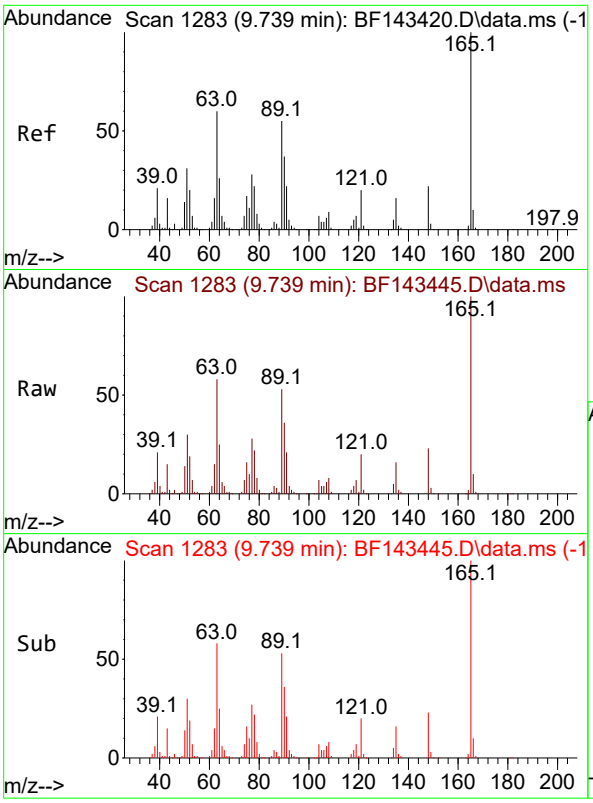


#50
Dimethylphthalate
Concen: 37.950 ng
RT: 9.675 min Scan# 1272
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:163 Resp: 596061

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.1	8.2	12.4



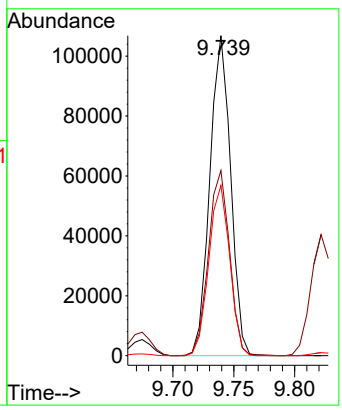


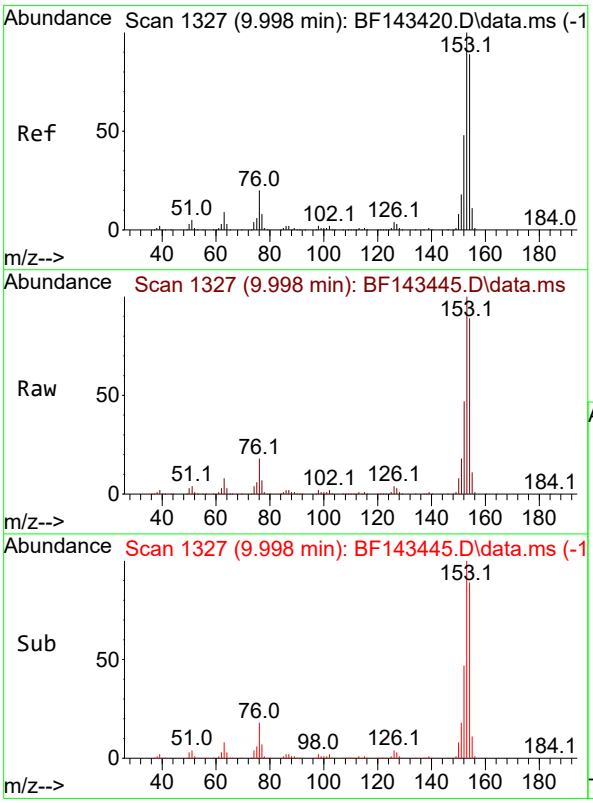
#51
2,6-Dinitrotoluene
Concen: 41.056 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 127119

Ion	Ratio	Lower	Upper
165	100		
63	57.9	48.2	72.2
89	53.2	44.2	66.2

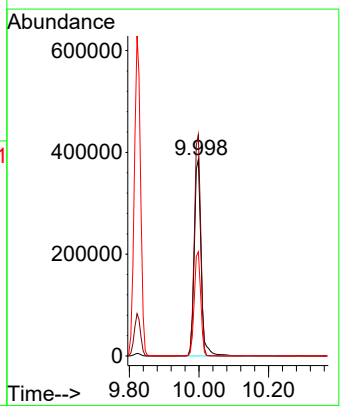


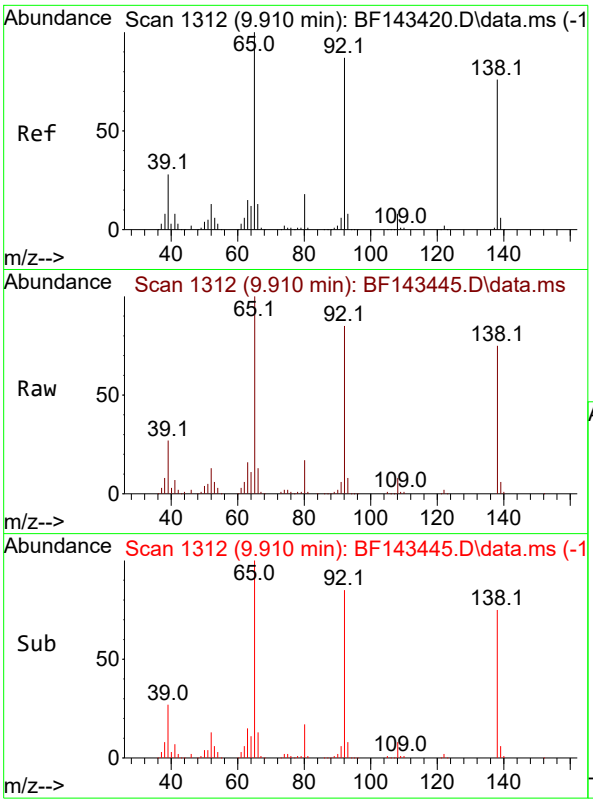


#52
Acenaphthene
Concen: 38.798 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:154 Resp: 526415

Ion	Ratio	Lower	Upper
154	100		
153	112.7	89.5	134.3
152	53.0	42.6	64.0



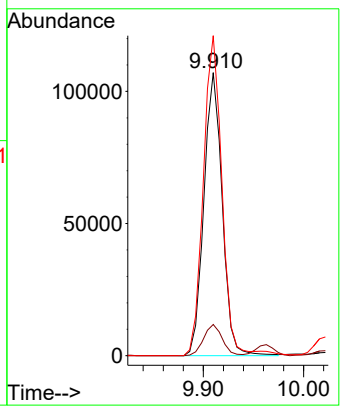


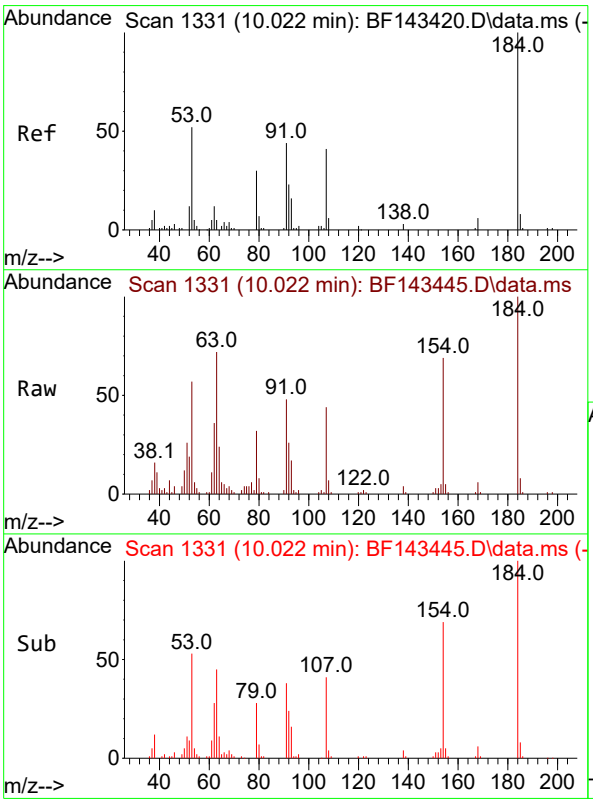
#53
3-Nitroaniline
Concen: 39.632 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 136688

Ion	Ratio	Lower	Upper
138	100		
108	11.0	8.7	13.1
92	113.1	91.4	137.2

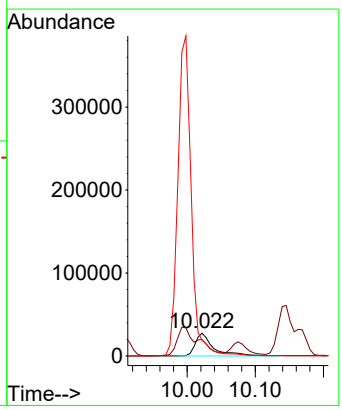


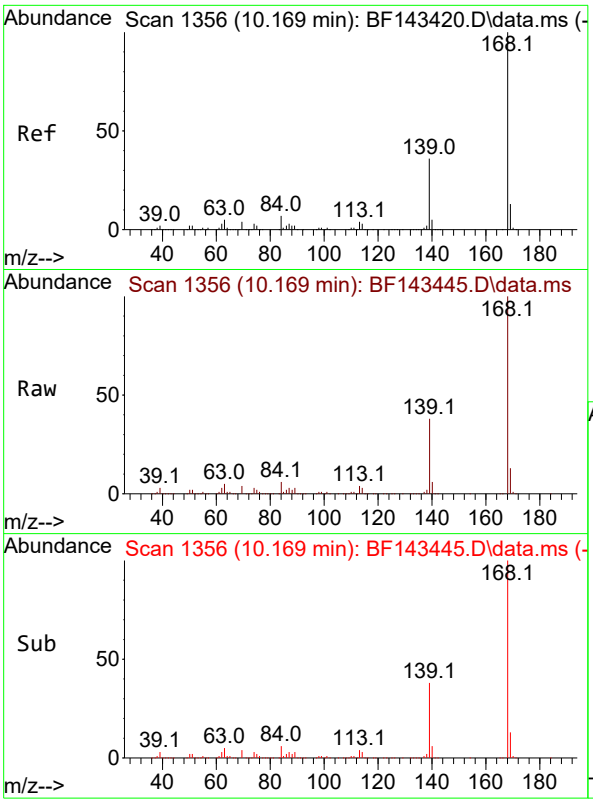


#54
2,4-Dinitrophenol
Concen: 38.759 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:184 Resp: 51176

Ion	Ratio	Lower	Upper
184	100		
63	72.2	53.2	79.8
154	69.1	51.3	76.9



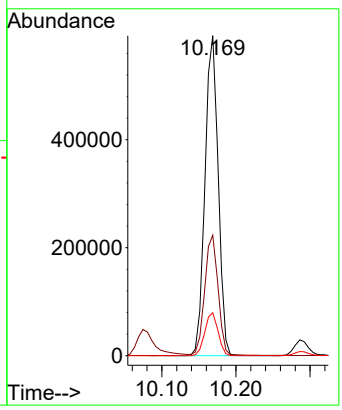


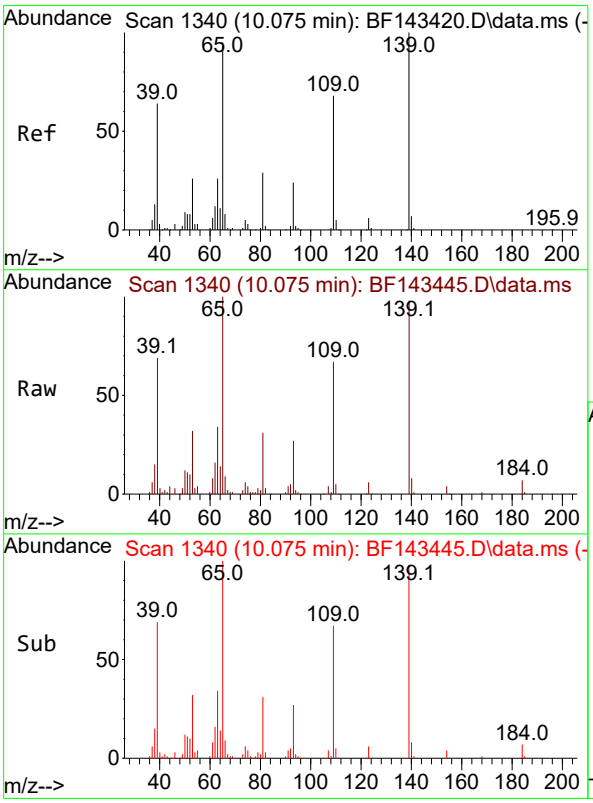
#55
Dibenzofuran
Concen: 37.552 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 735002

Ion	Ratio	Lower	Upper
168	100		
139	37.7	29.3	43.9
169	13.4	10.8	16.2

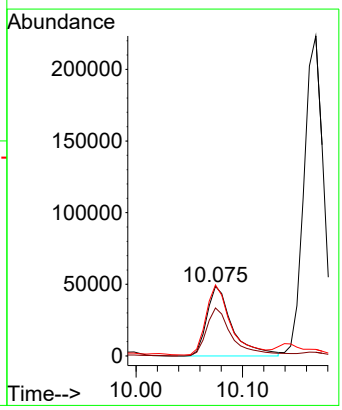


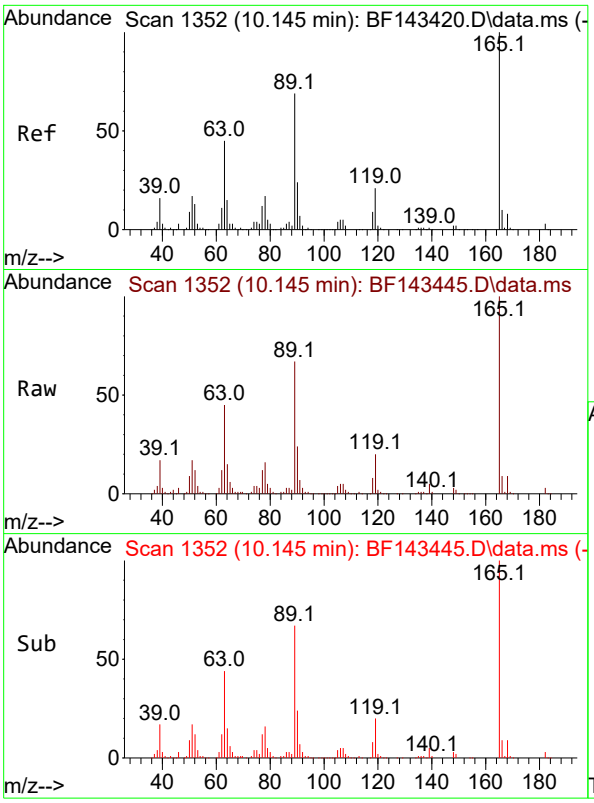


#56
4-Nitrophenol
Concen: 37.201 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:139 Resp: 80665

Ion	Ratio	Lower	Upper
139	100		
109	69.0	47.7	87.7
65	102.2	76.4	116.4



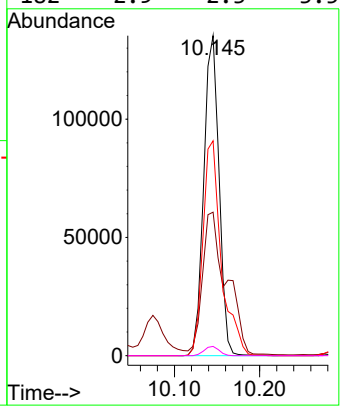


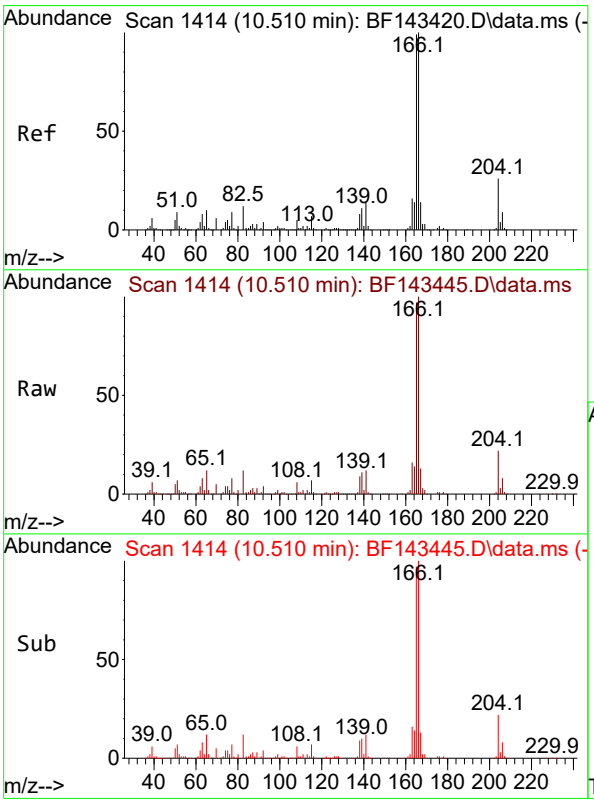
#57
2,4-Dinitrotoluene
Concen: 40.831 ng
RT: 10.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 168551

Ion	Ratio	Lower	Upper
165	100		
63	44.8	37.0	55.6
89	67.1	55.4	83.0
182	2.9	2.3	3.5

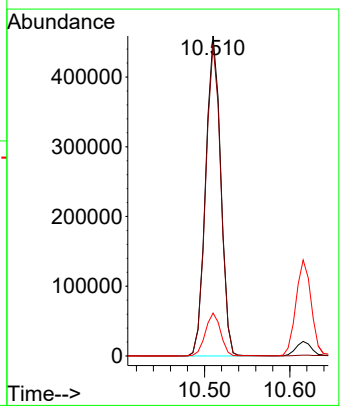


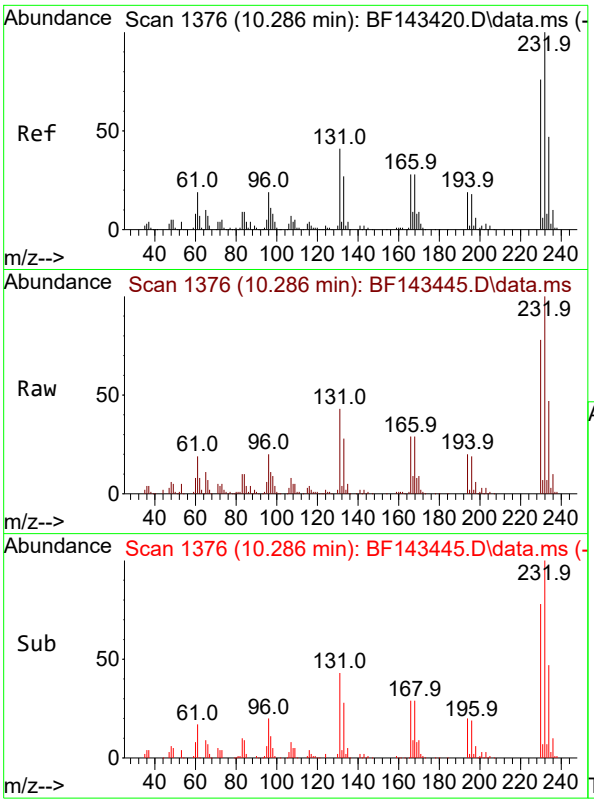


#58
Fluorene
Concen: 37.568 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:166 Resp: 564896

Ion	Ratio	Lower	Upper
166	100		
165	97.4	79.0	118.6
167	13.4	10.9	16.3



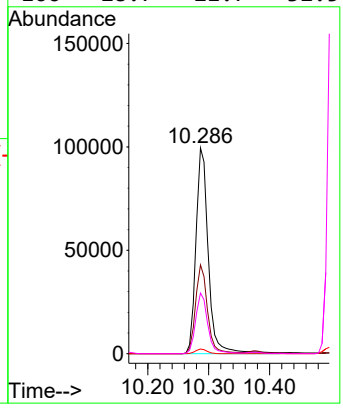


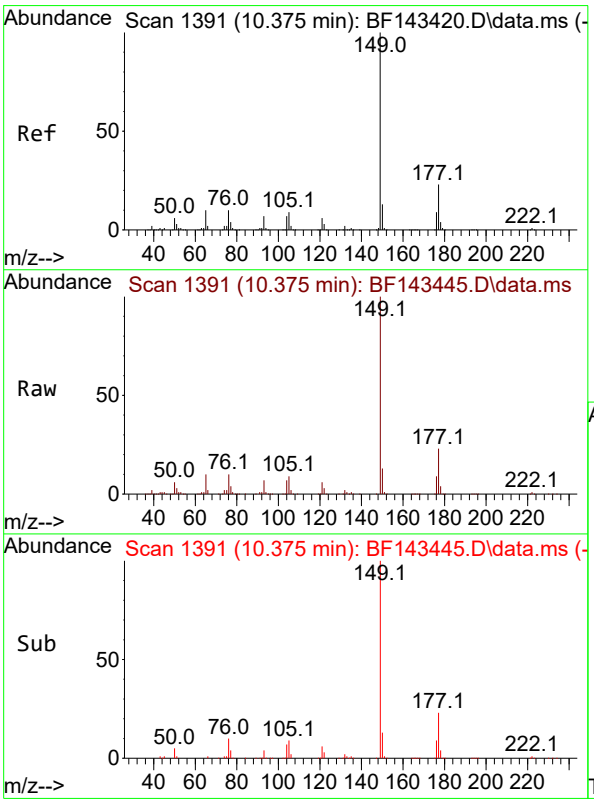
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.604 ng
RT: 10.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 140842

Ion	Ratio	Lower	Upper
232	100		
131	41.7	32.0	48.0
130	2.1	1.7	2.5
166	28.7	21.7	32.5

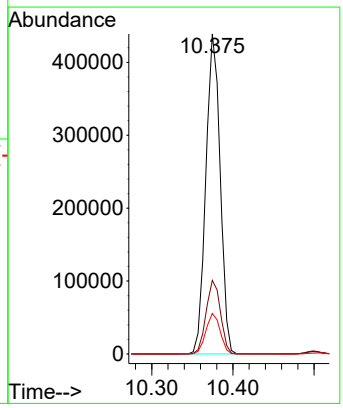


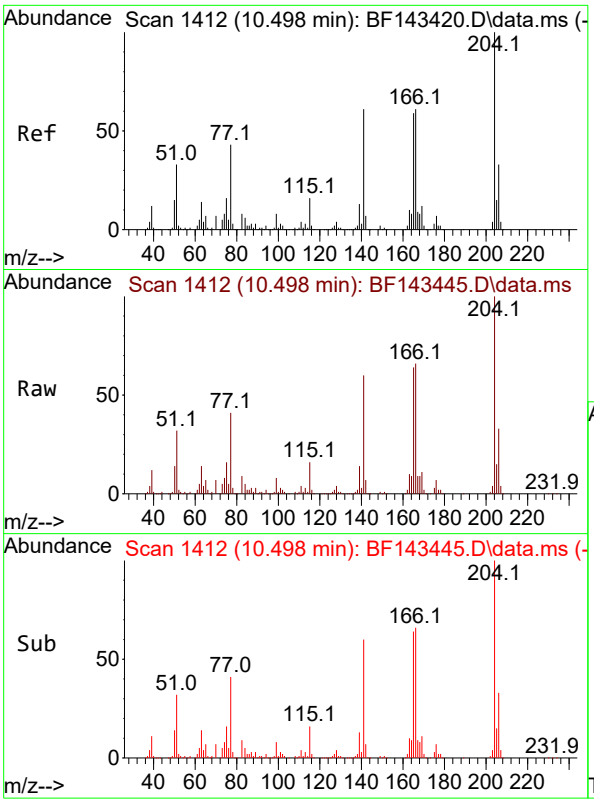


#60
Diethylphthalate
Concen: 36.905 ng
RT: 10.375 min Scan# 1391
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:149 Resp: 535646

Ion	Ratio	Lower	Upper
149	100		
177	23.0	18.2	27.4
150	12.7	10.1	15.1



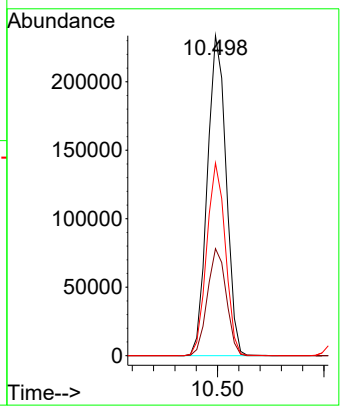


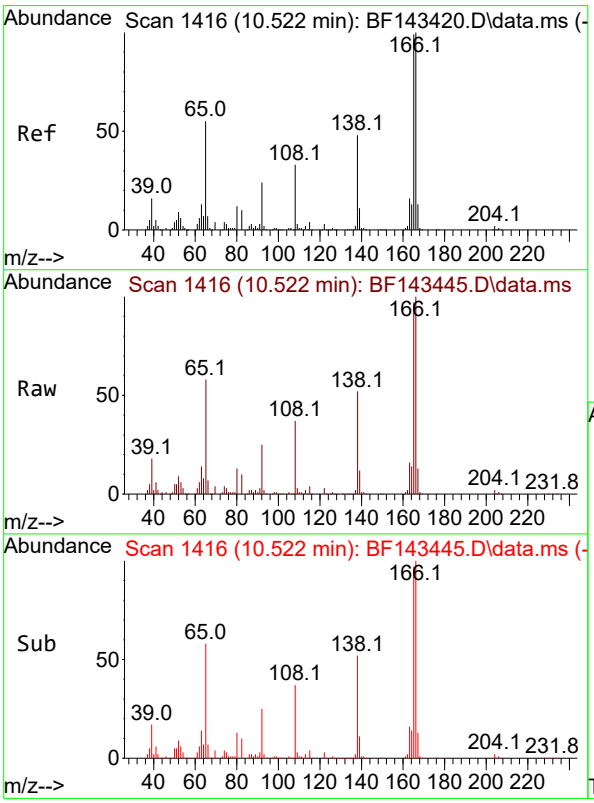
#61
4-Chlorophenyl-phenylether
Concen: 38.452 ng
RT: 10.498 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 285860

Ion	Ratio	Lower	Upper
204	100		
206	33.5	26.5	39.7
141	60.2	49.0	73.4

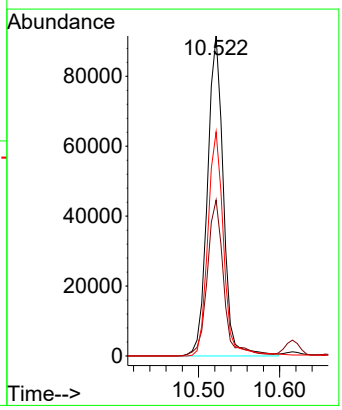


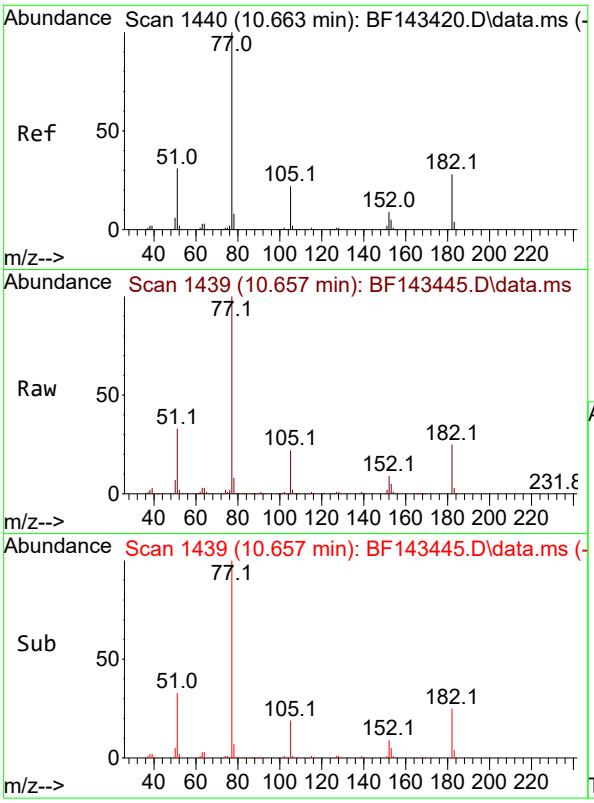


#62
4-Nitroaniline
Concen: 38.667 ng
RT: 10.522 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:138 Resp: 124720

Ion	Ratio	Lower	Upper
138	100		
92	48.8	29.4	69.4
108	70.0	48.6	88.6



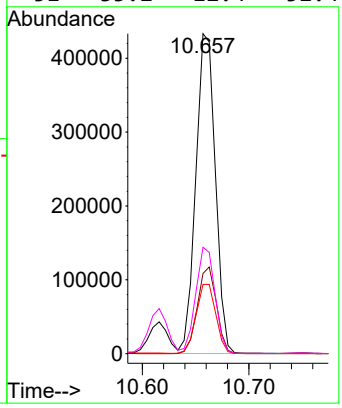


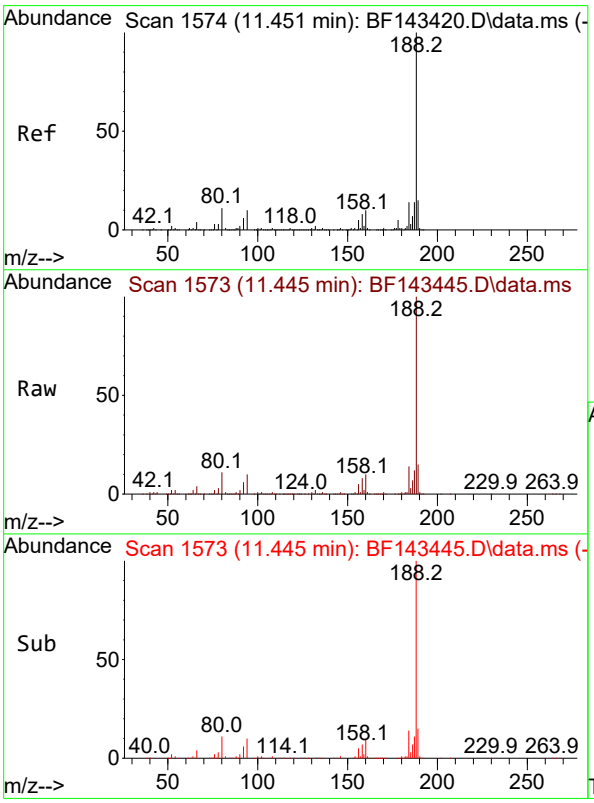
#63
Azobenzene
Concen: 37.693 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 552945

Ion	Ratio	Lower	Upper
77	100		
182	25.0	7.4	47.4
105	21.7	1.7	41.7
51	33.2	12.4	52.4

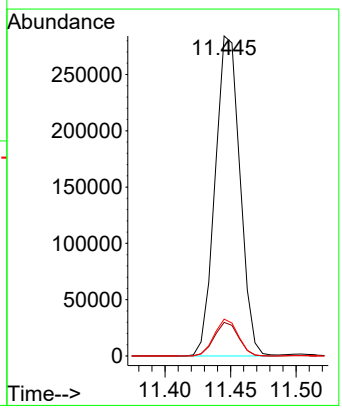


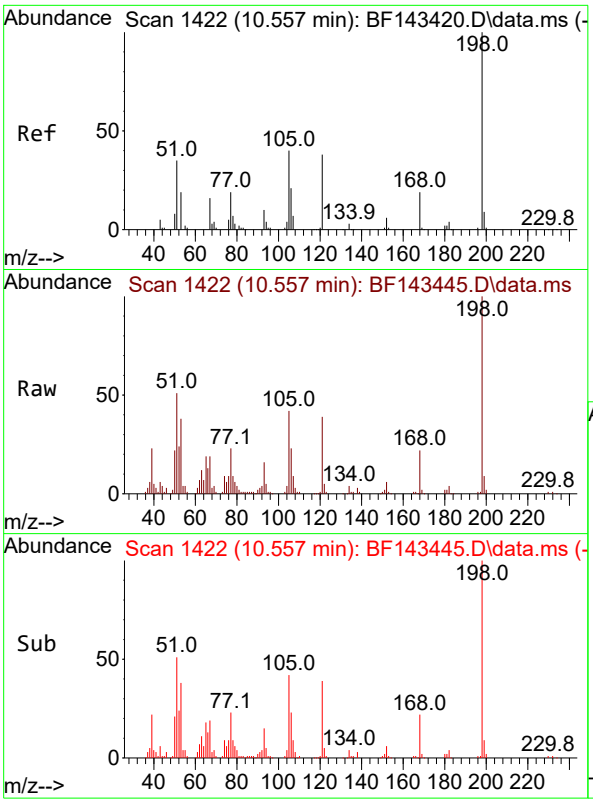


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:188 Resp: 374076

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.0	12.0
80	11.5	8.6	12.8



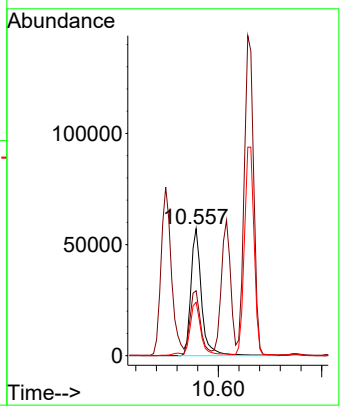


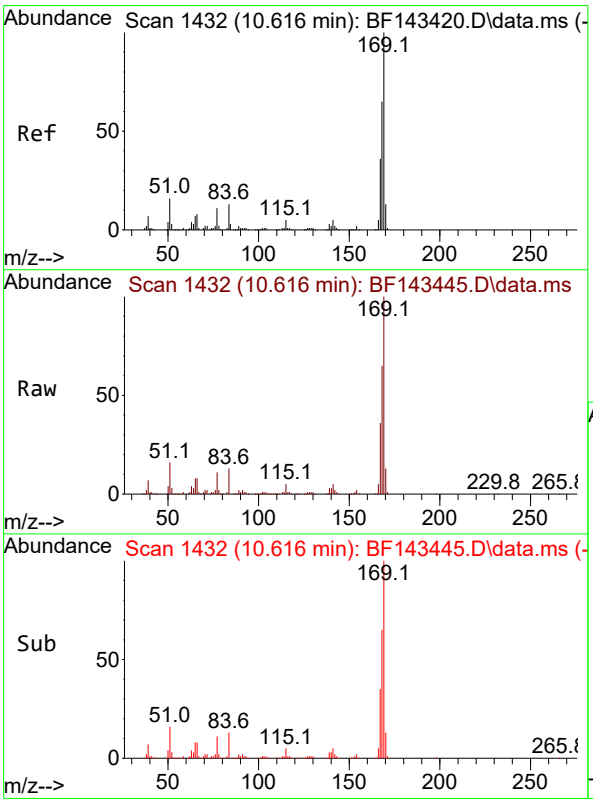
#65
4,6-Dinitro-2-methylphenol
Concen: 42.402 ng
RT: 10.557 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 81840

Ion	Ratio	Lower	Upper
198	100		
51	51.1	31.2	71.2
105	42.0	21.7	61.7

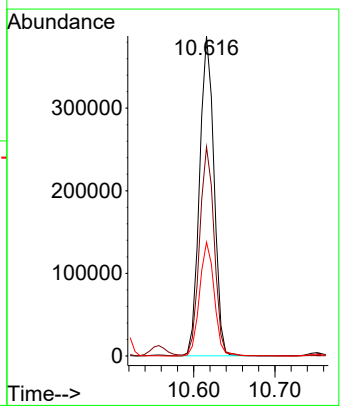


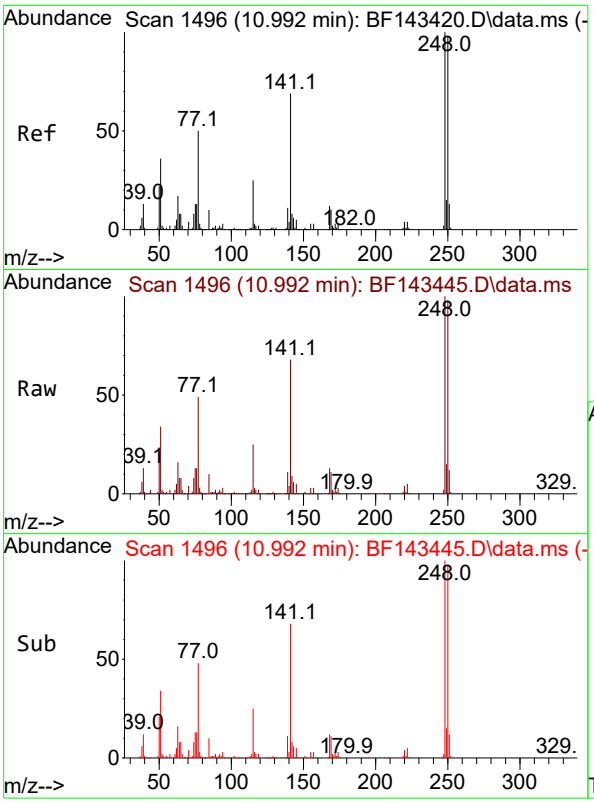


#66
n-Nitrosodiphenylamine
Concen: 39.240 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:169 Resp: 477290

Ion	Ratio	Lower	Upper
169	100		
168	65.4	52.5	78.7
167	35.5	28.6	42.8



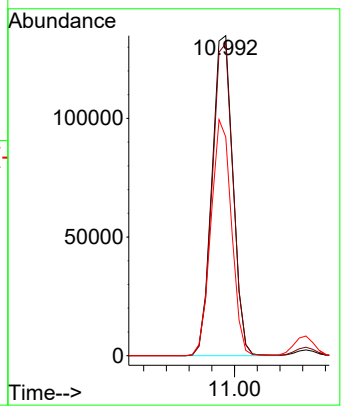


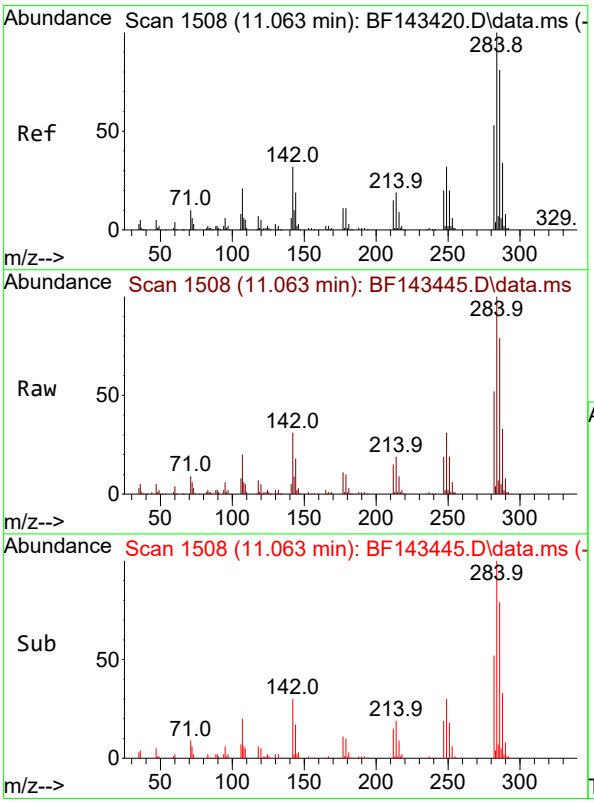
#67
4-Bromophenyl-phenylether
Concen: 39.202 ng
RT: 10.992 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 173167

Ion	Ratio	Lower	Upper
248	100		
250	97.5	78.6	118.0
141	68.3	54.9	82.3

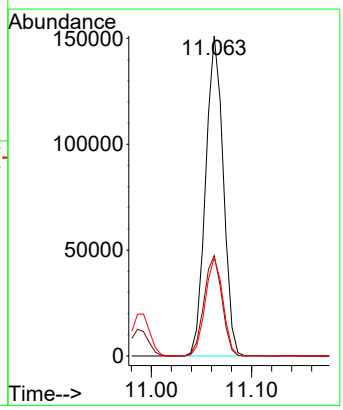


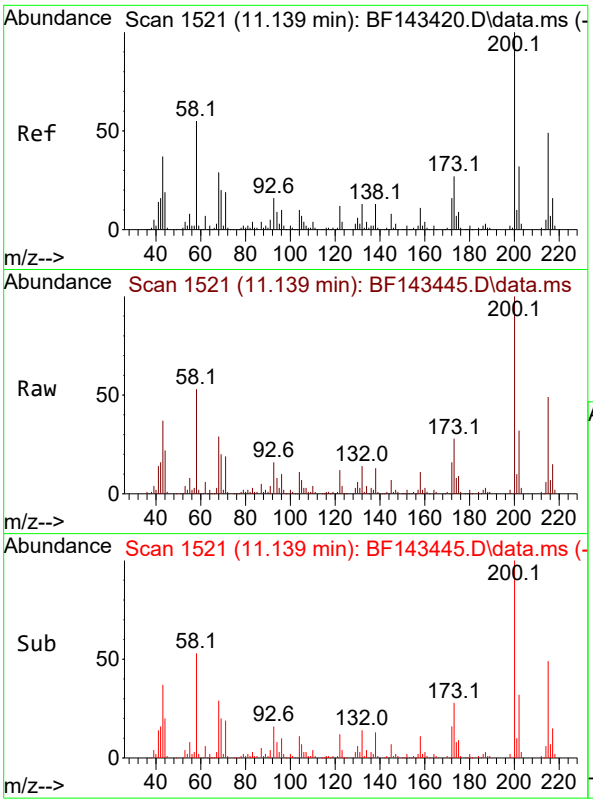


#68
Hexachlorobenzene
Concen: 39.392 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:284 Resp: 184987

Ion	Ratio	Lower	Upper
284	100		
142	31.4	25.4	38.2
249	30.7	25.4	38.0



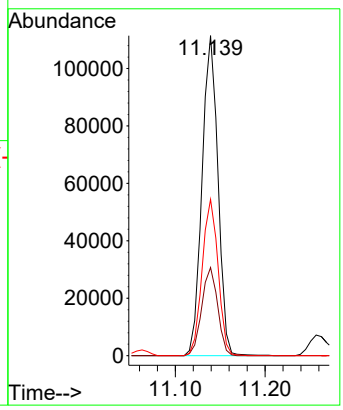


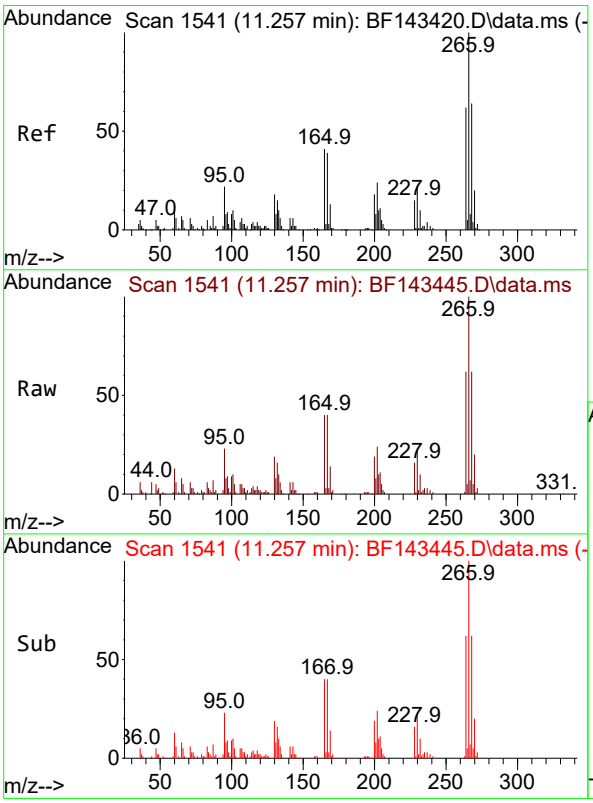
#69
Atrazine
Concen: 38.541 ng
RT: 11.139 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 137115

Ion	Ratio	Lower	Upper
200	100		
173	27.6	6.6	46.6
215	48.8	29.5	69.5

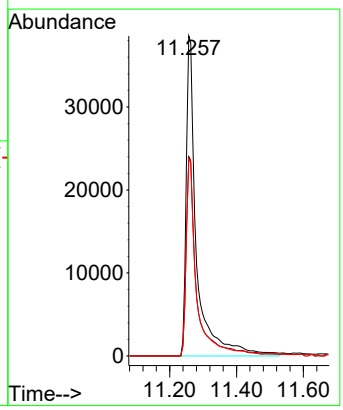


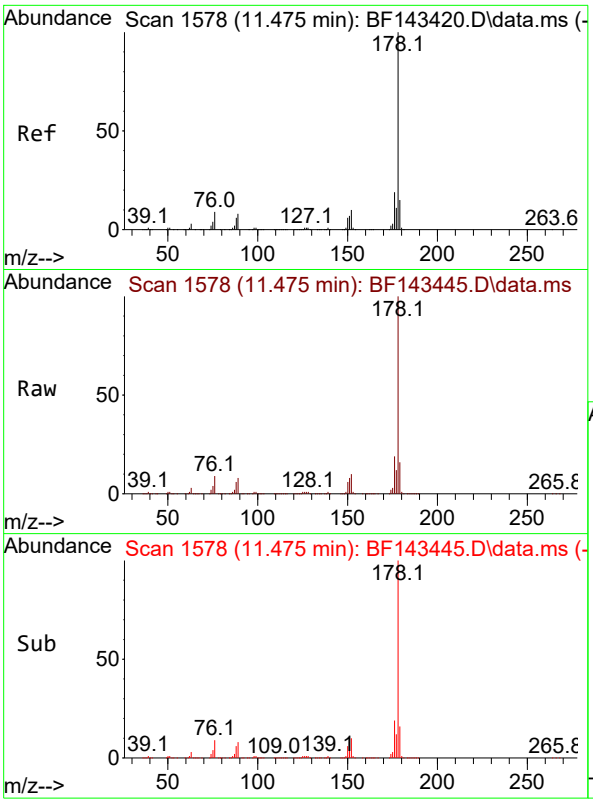


#70
Pentachlorophenol
Concen: 40.495 ng
RT: 11.257 min Scan# 1541
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:266 Resp: 83629

Ion	Ratio	Lower	Upper
266	100		
268	62.3	51.0	76.6
264	61.6	49.3	73.9



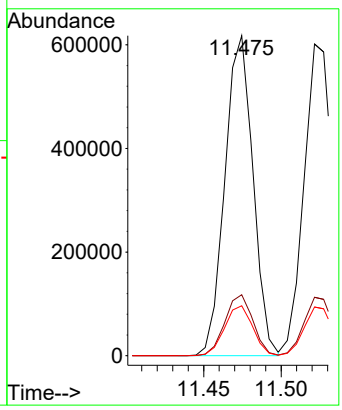


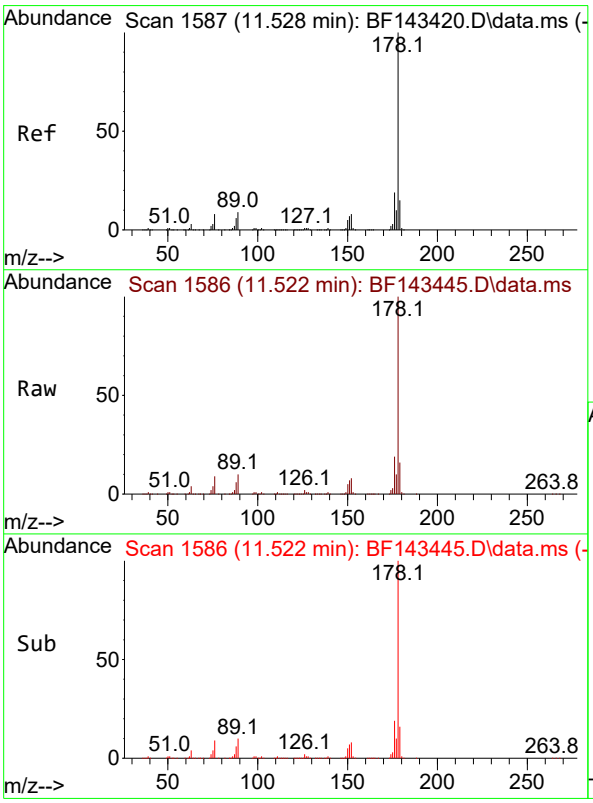
#71
Phenanthrene
Concen: 38.443 ng
RT: 11.475 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 778725

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.6	12.3	18.5

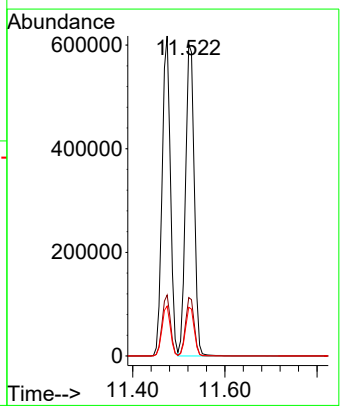


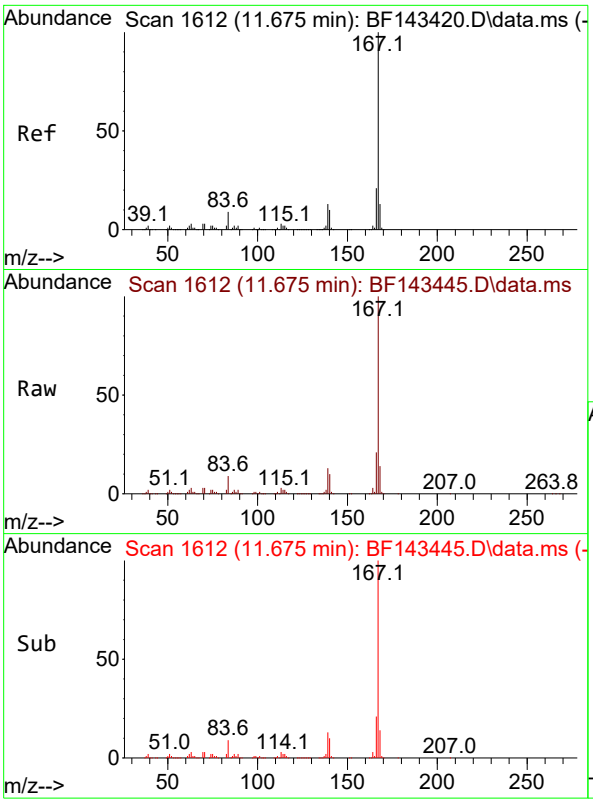


#72
Anthracene
Concen: 38.538 ng
RT: 11.522 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:178 Resp: 788478

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	15.6	12.2	18.4



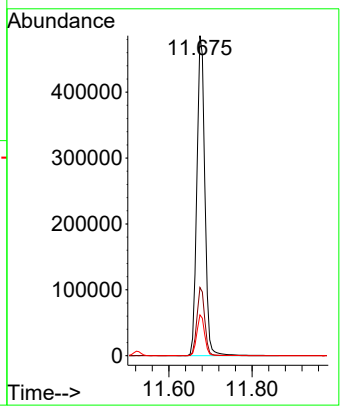


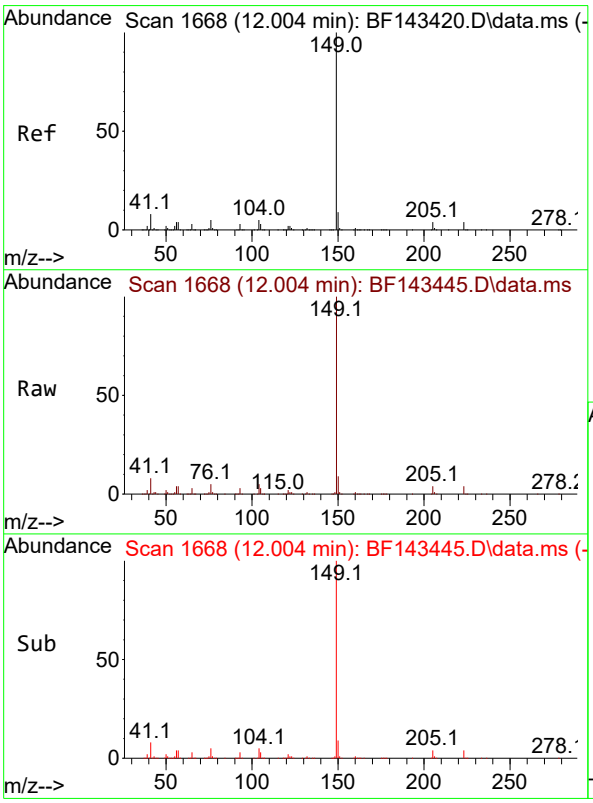
#73
Carbazole
Concen: 37.459 ng
RT: 11.675 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 648190

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.2	25.8
139	12.8	10.1	15.1

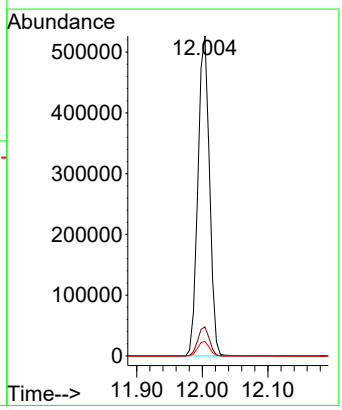


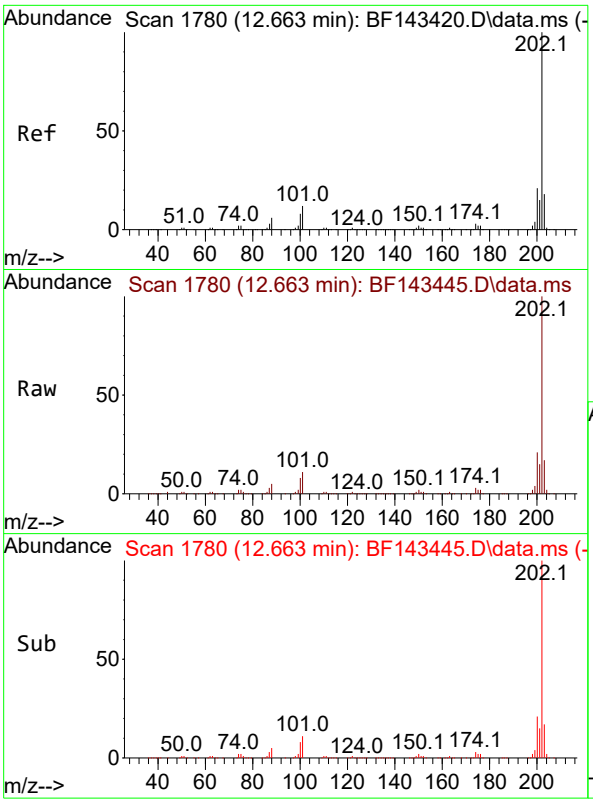


#74
Di-n-butylphthalate
Concen: 37.595 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:149 Resp: 647836

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.5	3.8	5.6



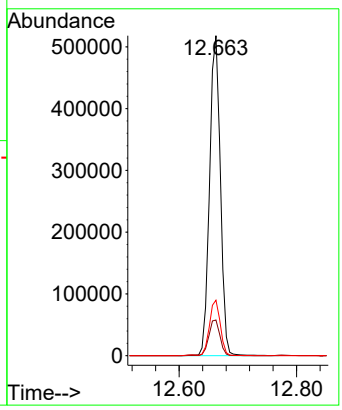


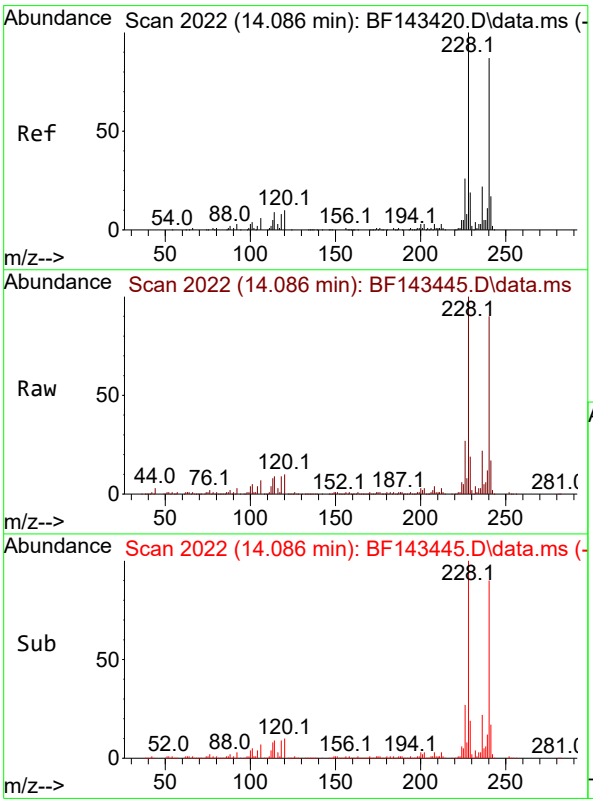
#75
Fluoranthene
Concen: 36.593 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 658646

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.5
203	17.4	0.0	37.5

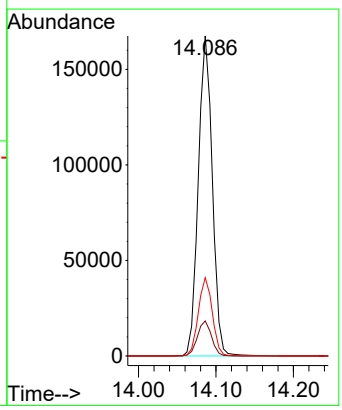


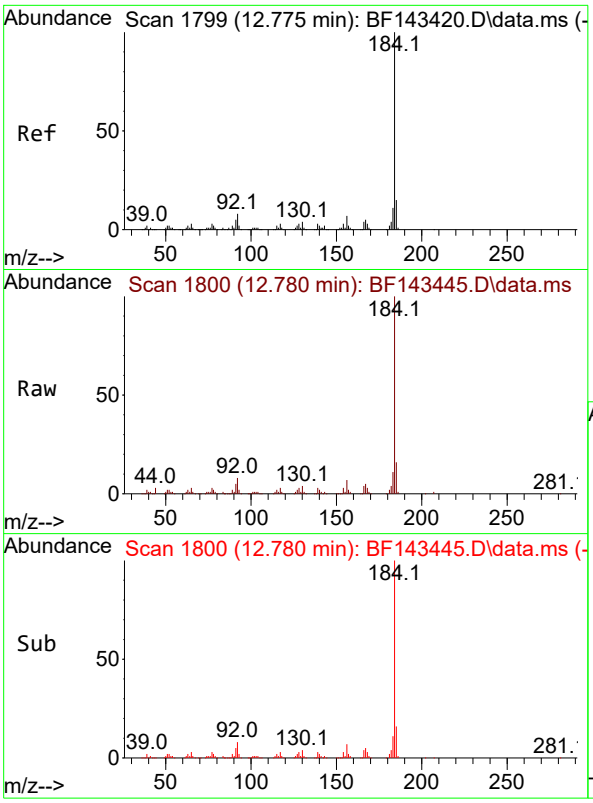


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:240 Resp: 210363

Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.0	13.4
236	24.4	20.2	30.2



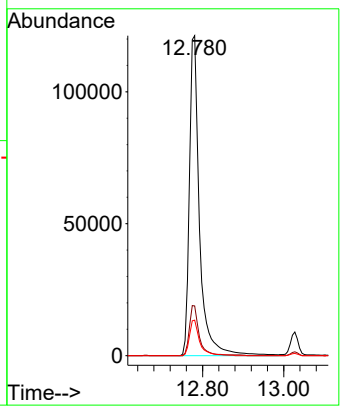


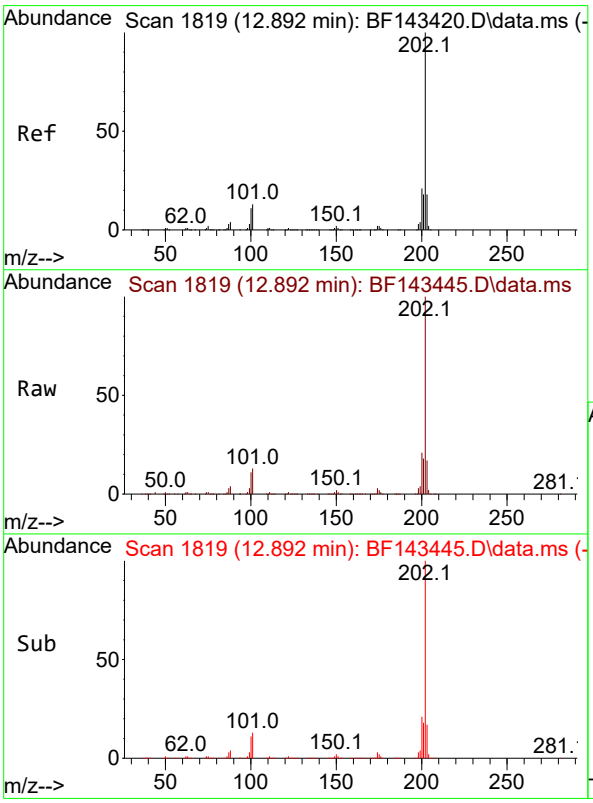
#77
Benzidine
Concen: 33.511 ng
RT: 12.780 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 210512

Ion	Ratio	Lower	Upper
184	100		
185	15.5	12.2	18.2
183	11.1	9.2	13.8

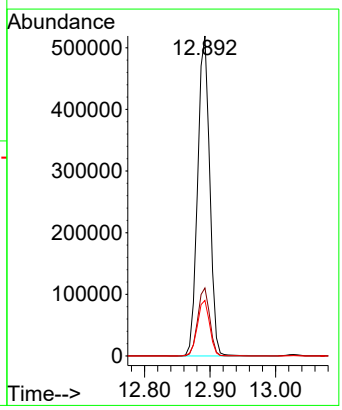


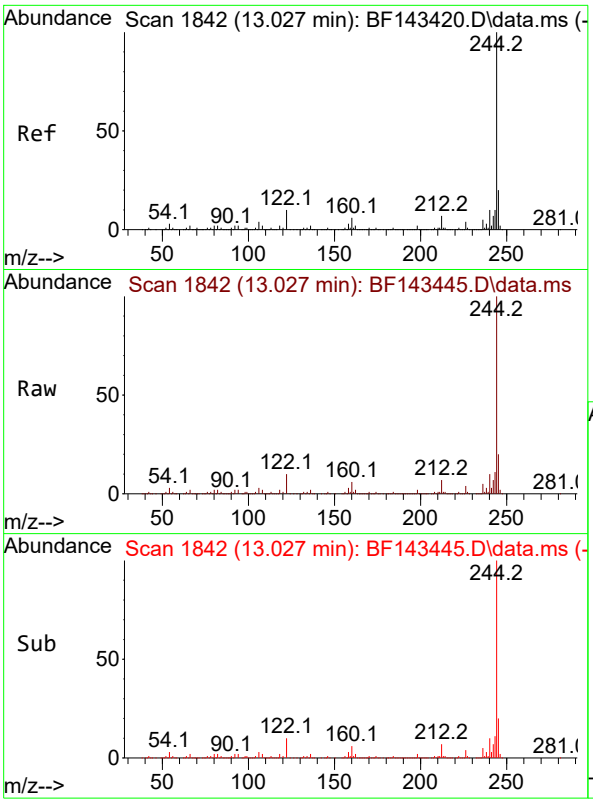


#78
Pyrene
Concen: 36.459 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:202 Resp: 666629

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.1	25.7
203	17.3	14.2	21.2



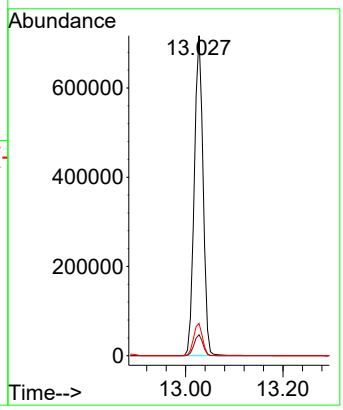


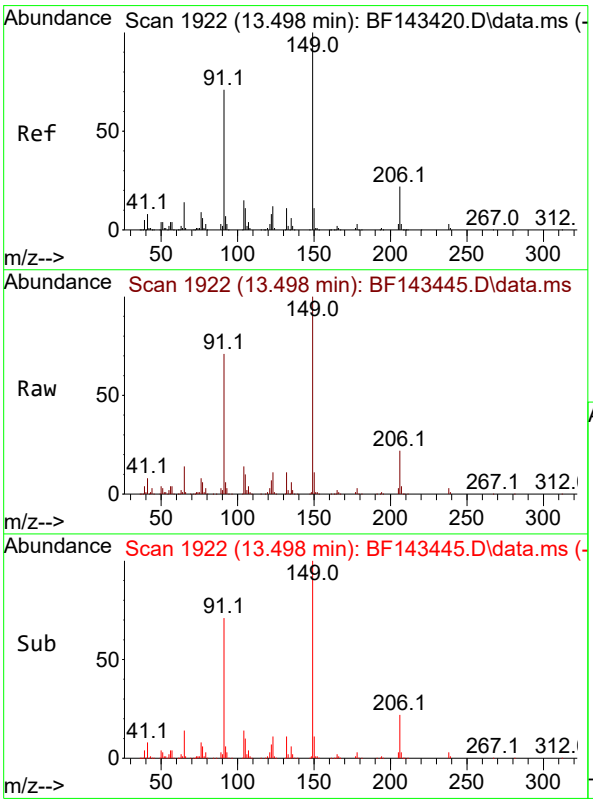
#79
Terphenyl-d14
Concen: 72.100 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 902887

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	10.0	8.3	12.5

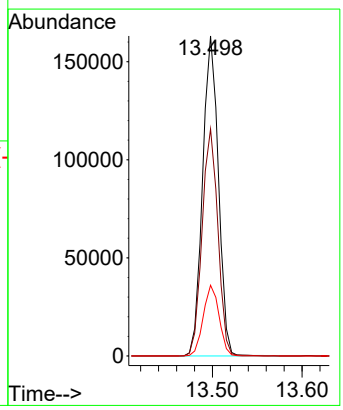


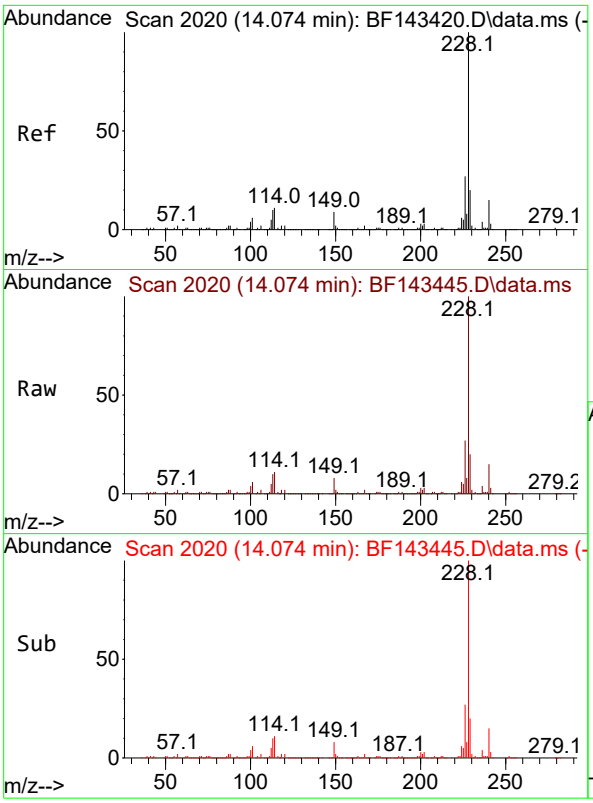


#80
Butylbenzylphthalate
Concen: 43.946 ng
RT: 13.498 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:149 Resp: 199021

Ion	Ratio	Lower	Upper
149	100		
91	71.0	57.0	85.4
206	22.1	17.6	26.4



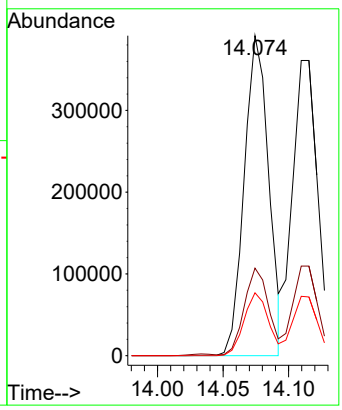


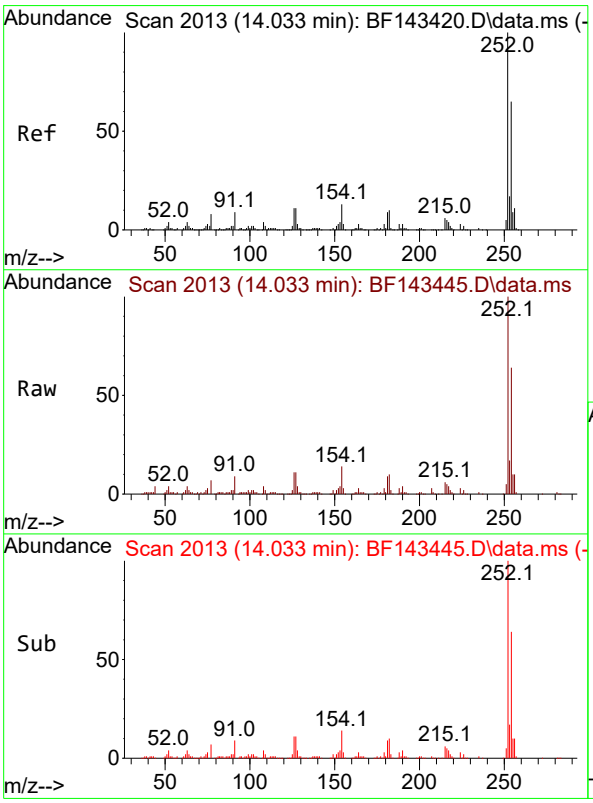
#81
Benzo(a)anthracene
Concen: 37.909 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 507706

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.5	32.3
229	19.7	15.7	23.5

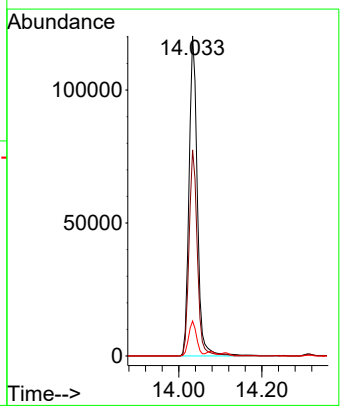


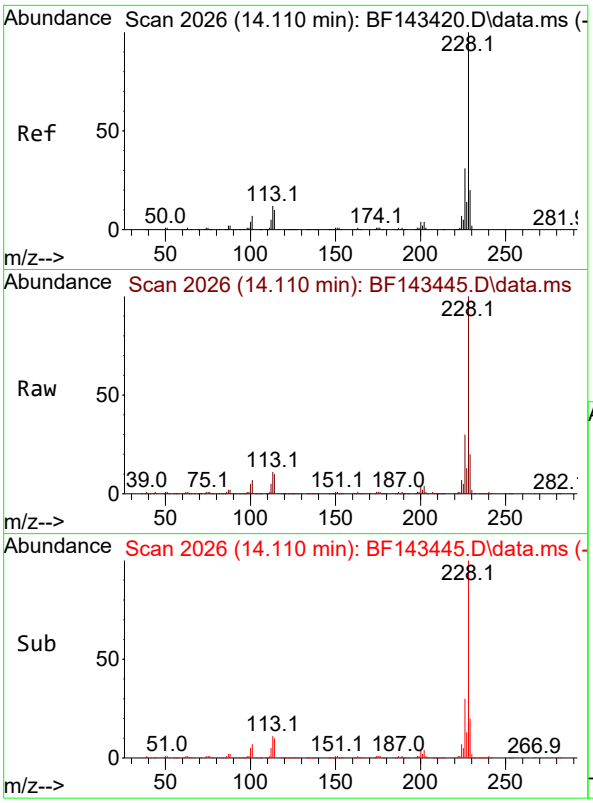


#82
3,3'-Dichlorobenzidine
Concen: 42.346 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:252 Resp: 166049

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.6	77.4
126	10.9	8.8	13.2



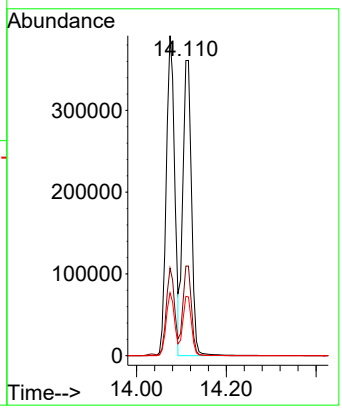


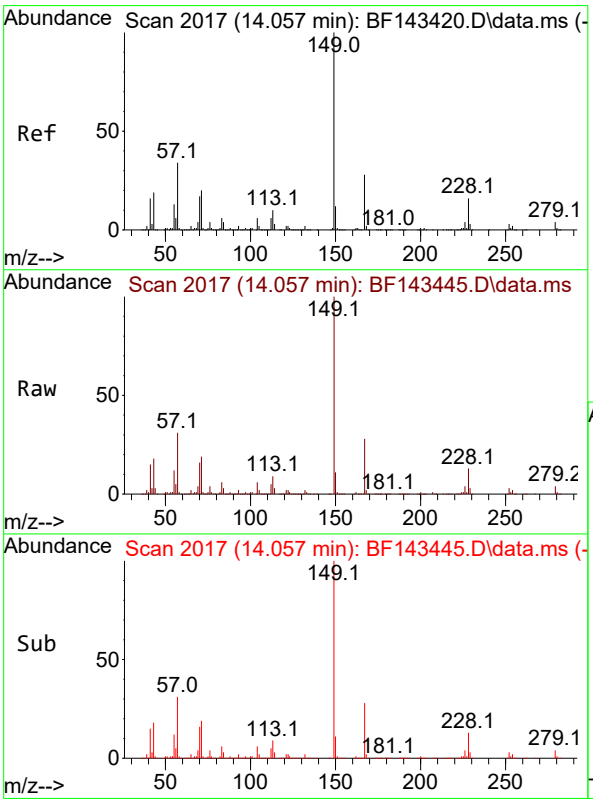
#83
Chrysene
Concen: 39.305 ng
RT: 14.110 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 486654

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.3	36.5
229	20.1	16.1	24.1

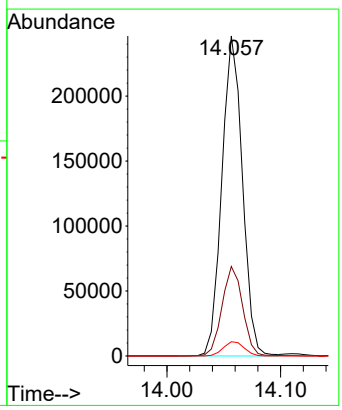


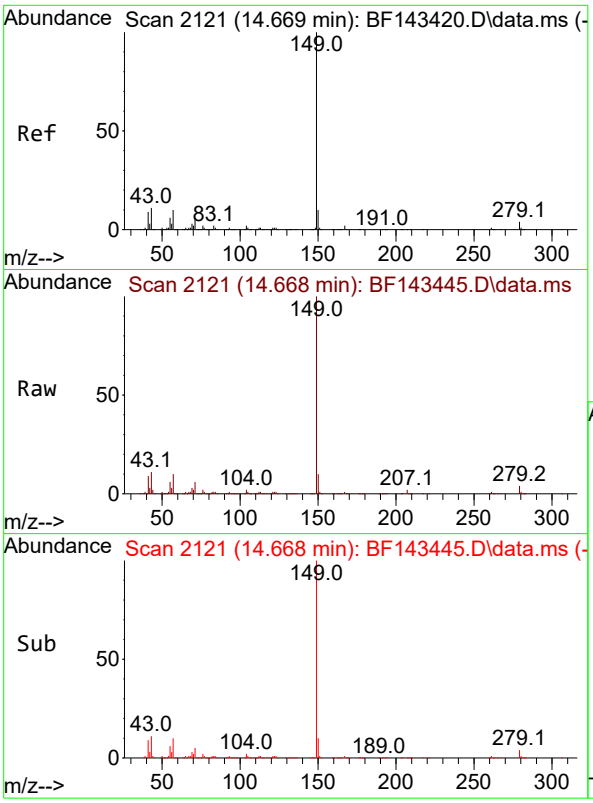


#84
Bis(2-ethylhexyl)phthalate
Concen: 48.143 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:149 Resp: 309633

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.6	33.8
279	4.5	3.5	5.3



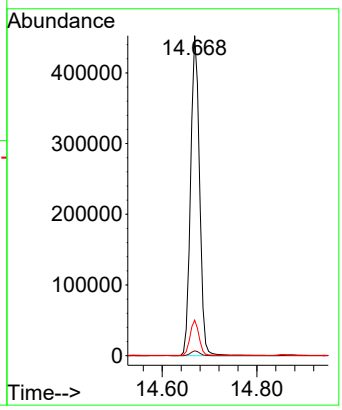


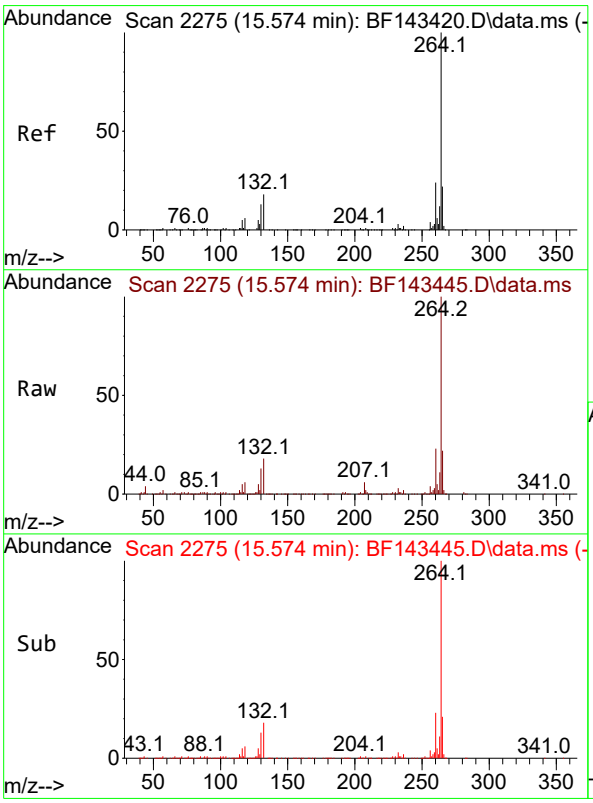
#85
Di-n-octyl phthalate
Concen: 45.391 ng
RT: 14.668 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 592119

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.0	9.0	13.6

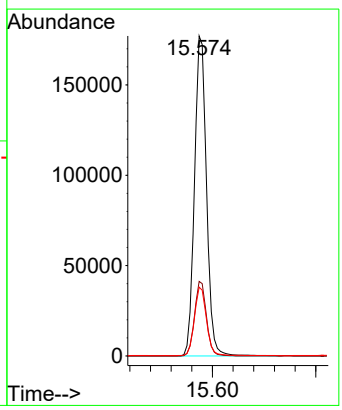


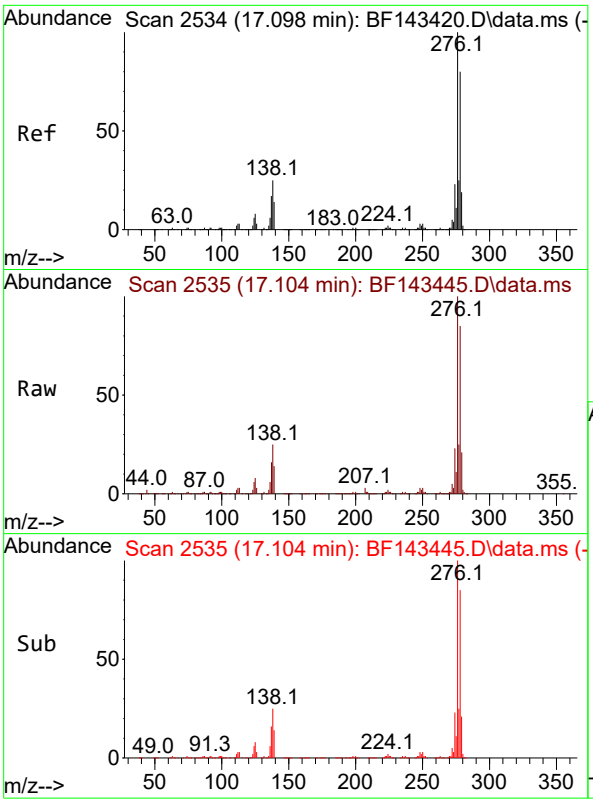


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:264 Resp: 285369

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.8	28.2
265	21.5	17.4	26.0



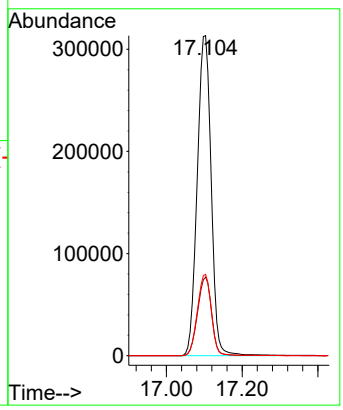


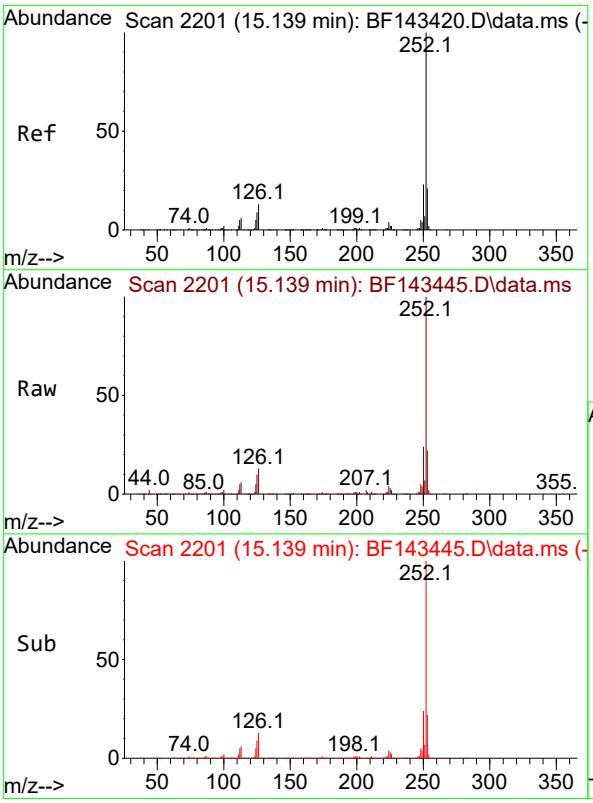
#87
Indeno(1,2,3-cd)pyrene
Concen: 37.481 ng
RT: 17.104 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 802095

Ion	Ratio	Lower	Upper
276	100		
138	24.5	20.2	30.4
277	25.4	20.2	30.2

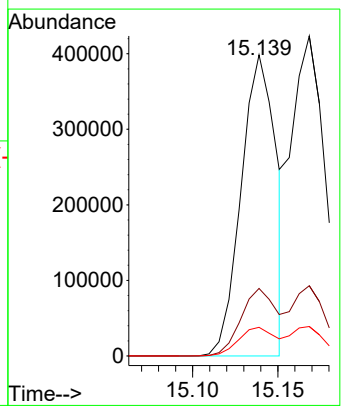


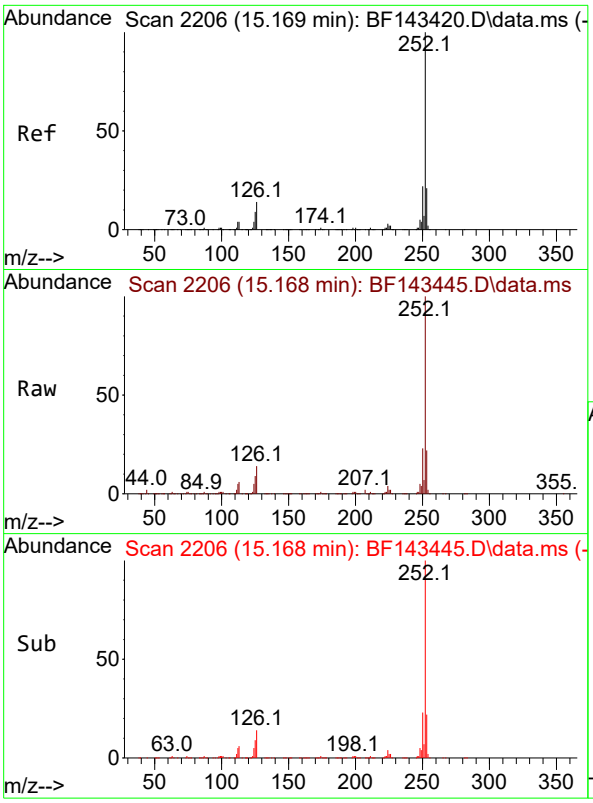


#88
Benzo(b)fluoranthene
Concen: 37.062 ng
RT: 15.139 min Scan# 2201
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:252 Resp: 566849

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	9.5	7.5	11.3



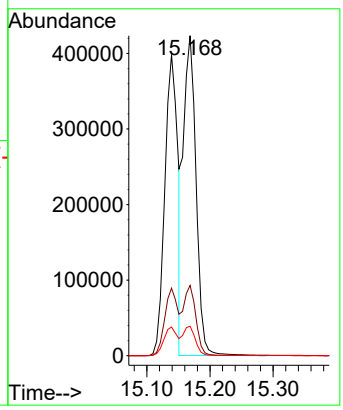


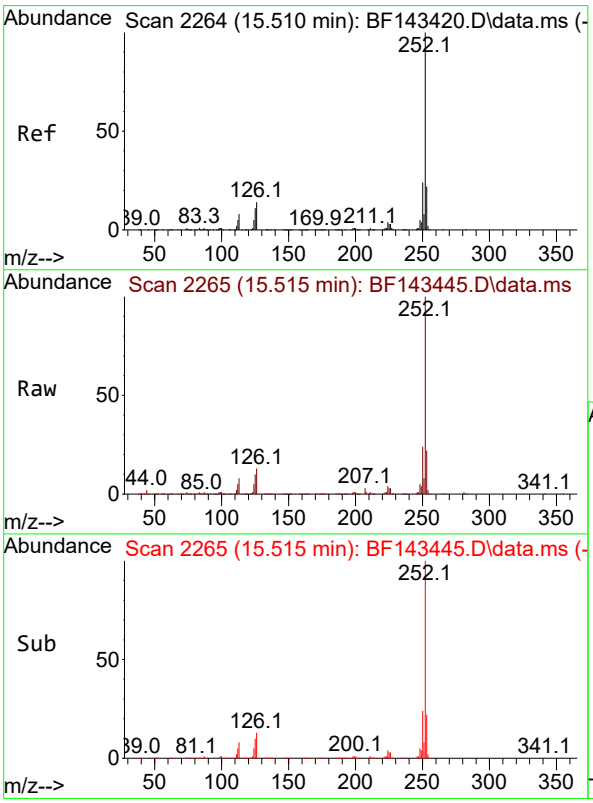
#89
Benzo(k)fluoranthene
Concen: 39.211 ng
RT: 15.168 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 591511

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	9.2	7.4	11.2

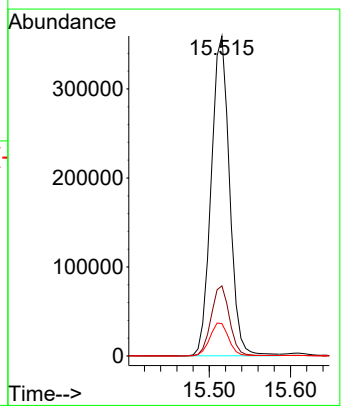


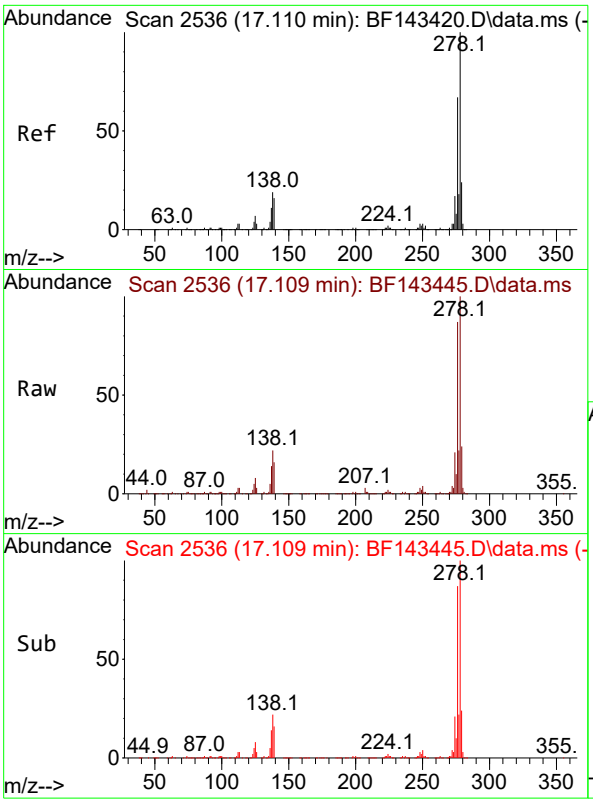


#90
Benzo(a)pyrene
Concen: 38.707 ng
RT: 15.515 min Scan# 2265
Delta R.T. 0.006 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:252 Resp: 563854

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	10.1	8.6	12.8



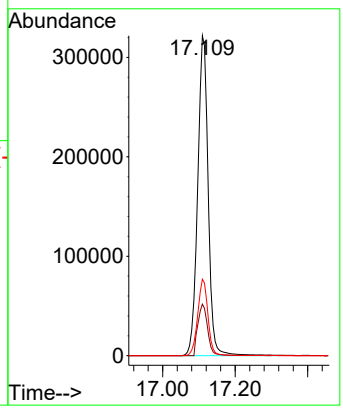


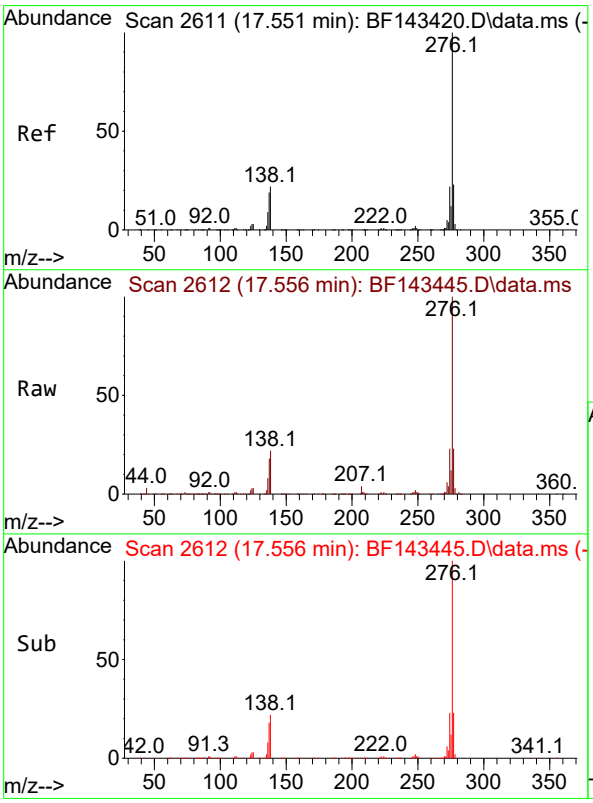
#91
Dibenzo(a,h)anthracene
Concen: 37.613 ng
RT: 17.109 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 646395

Ion	Ratio	Lower	Upper
278	100		
139	16.1	12.9	19.3
279	23.9	19.0	28.4

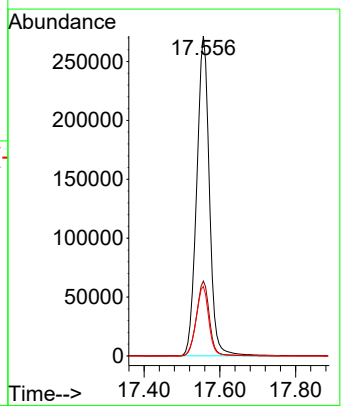




#92
Benzo(g,h,i)perylene
Concen: 36.858 ng
RT: 17.556 min Scan# 2612
Delta R.T. 0.006 min
Lab File: BF143445.D
Acq: 19 Aug 2025 09:36

Tgt Ion:276 Resp: 632768

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.7	28.1
138	21.7	17.5	26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143445.D
Acq On : 19 Aug 2025 09:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 19 12:03:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	0.00
2		1,4-Dioxane	0.554	0.530	4.3	88	0.00
3		Pyridine	1.453	1.554	-7.0	98	0.00
4		n-Nitrosodimethylamine	0.675	0.681	-0.9	94	0.00
5	S	2-Fluorophenol	1.151	1.140	1.0	93	0.00
6		Aniline	1.968	1.902	3.4	90	0.00
7	S	Phenol-d6	1.450	1.398	3.6	93	0.00
8		2-Chlorophenol	1.270	1.244	2.0	93	0.00
9		Benzaldehyde	0.771	0.690	10.5	88	0.00
10	C	Phenol	1.692	1.670	1.3	92	0.00
11		bis(2-Chloroethyl)ether	1.254	1.191	5.0	90	0.00
12		1,3-Dichlorobenzene	1.423	1.387	2.5	93	0.00
13	C	1,4-Dichlorobenzene	1.421	1.400	1.5	94	0.00
14		1,2-Dichlorobenzene	1.357	1.320	2.7	93	0.00
15		Benzyl Alcohol	1.069	1.051	1.7	91	0.00
16		2,2'-oxybis(1-Chloropropane	2.144	2.011	6.2	90	0.00
17		2-Methylphenol	1.036	1.004	3.1	92	0.00
18		Hexachloroethane	0.484	0.480	0.8	94	0.00
19	P	n-Nitroso-di-n-propylamine	0.898	0.831	7.5	90	0.00
20		3+4-Methylphenols	1.239	1.219	1.6	92	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	93	0.00
22		Acetophenone	0.430	0.415	3.5	92	0.00
23	S	Nitrobenzene-d5	0.337	0.340	-0.9	94	0.00
24		Nitrobenzene	0.352	0.352	0.0	92	0.00
25		Isophorone	0.645	0.610	5.4	90	0.00
26	C	2-Nitrophenol	0.163	0.176	-8.0	96	0.00
27		2,4-Dimethylphenol	0.276	0.266	3.6	92	0.00
28		bis(2-Chloroethoxy)methane	0.397	0.377	5.0	90	0.00
29	C	2,4-Dichlorophenol	0.281	0.283	-0.7	93	0.00
30		1,2,4-Trichlorobenzene	0.288	0.285	1.0	94	0.00
31		Naphthalene	0.950	0.919	3.3	91	0.00
32		Benzoic acid	0.144	0.134	6.9	87	0.00
33		4-Chloroaniline	0.343	0.328	4.4	89	0.00
34	C	Hexachlorobutadiene	0.184	0.181	1.6	92	0.00
35		Caprolactam	0.081	0.076	6.2	88	0.00
36	C	4-Chloro-3-methylphenol	0.290	0.279	3.8	90	0.00
37		2-Methylnaphthalene	0.640	0.615	3.9	92	0.00
38		1-Methylnaphthalene	0.613	0.584	4.7	91	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	92	0.00
40		1,2,4,5-Tetrachlorobenzene	0.558	0.551	1.3	92	0.00
41	P	Hexachlorocyclopentadiene	0.167	0.161	3.6	82	0.00
42	S	2,4,6-Tribromophenol	0.178	0.174	2.2	90	0.00
43	C	2,4,6-Trichlorophenol	0.348	0.346	0.6	90	0.00
44		2,4,5-Trichlorophenol	0.373	0.375	-0.5	91	0.00
45	S	2-Fluorobiphenyl	1.189	1.143	3.9	92	0.00
46		1,1'-Biphenyl	1.405	1.365	2.8	91	0.00
47		2-Chloronaphthalene	1.109	1.075	3.1	91	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143445.D
Acq On : 19 Aug 2025 09:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 19 12:03:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.330	0.331	-0.3	90	0.00
49		Acenaphthylene	1.602	1.554	3.0	91	0.00
50		Dimethylphthalate	1.247	1.183	5.1	90	0.00
51		2,6-Dinitrotoluene	0.246	0.252	-2.4	92	0.00
52	C	Acenaphthene	1.077	1.045	3.0	92	0.00
53		3-Nitroaniline	0.274	0.271	1.1	88	0.00
54	P	2,4-Dinitrophenol	0.097	0.102	-5.2	97	0.00
55		Dibenzofuran	1.554	1.459	6.1	88	0.00
56	P	4-Nitrophenol	0.172	0.160	7.0	82	0.00
57		2,4-Dinitrotoluene	0.328	0.335	-2.1	92	0.00
58		Fluorene	1.194	1.121	6.1	91	0.00
59		2,3,4,6-Tetrachlorophenol	0.282	0.280	0.7	86	0.00
60		Diethylphthalate	1.152	1.063	7.7	88	0.00
61		4-Chlorophenyl-phenylether	0.590	0.567	3.9	91	0.00
62		4-Nitroaniline	0.256	0.248	3.1	87	0.00
63		Azobenzene	1.165	1.097	5.8	88	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	89	0.00
65		4,6-Dinitro-2-methylphenol	0.103	0.109	-5.8	91	0.00
66	c	n-Nitrosodiphenylamine	0.650	0.638	1.8	88	0.00
67		4-Bromophenyl-phenylether	0.236	0.231	2.1	88	0.00
68		Hexachlorobenzene	0.251	0.247	1.6	91	0.00
69		Atrazine	0.190	0.183	3.7	86	0.00
70	C	Pentachlorophenol	0.110	0.112	-1.8	88	0.00
71		Phenanthrene	1.083	1.041	3.9	88	0.00
72		Anthracene	1.094	1.054	3.7	88	0.00
73		Carbazole	0.925	0.866	6.4	87	0.00
74		Di-n-butylphthalate	0.921	0.866	6.0	87	0.00
75	C	Fluoranthene	0.962	0.880	8.5	88	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	97	0.00
77		Benzidine	0.597	0.500	16.2	85	0.00
78		Pyrene	1.738	1.584	8.9	90	0.00
79	S	Terphenyl-d14	1.191	1.073	9.9	91	0.00
80		Butylbenzylphthalate	0.431	0.473	-9.7	100	0.00
81		Benzo(a)anthracene	1.273	1.207	5.2	93	0.00
82		3,3'-Dichlorobenzidine	0.373	0.395	-5.9	97	0.00
83		Chrysene	1.177	1.157	1.7	94	0.00
84		Bis(2-ethylhexyl)phthalate	0.611	0.736	-20.5	107	0.00
85	c	Di-n-octyl phthalate	1.240	1.407	-13.5	102	0.00
86	I	Perylene-d12	1.000	1.000	0.0	101	0.00
87		Indeno(1,2,3-cd)pyrene	1.500	1.405	6.3	95	0.00
88		Benzo(b)fluoranthene	1.072	0.993	7.4	92	0.00
89		Benzo(k)fluoranthene	1.057	1.036	2.0	100	0.00
90	C	Benzo(a)pyrene	1.021	0.988	3.2	96	0.00
91		Dibenzo(a,h)anthracene	1.204	1.133	5.9	95	0.00
92		Benzo(g,h,i)perylene	1.203	1.109	7.8	93	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143445.D
Acq On : 19 Aug 2025 09:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 19 12:03:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143445.D
Acq On : 19 Aug 2025 09:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 19 12:03:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	94	0.00
2		1,4-Dioxane	40.000	38.293	4.3	88	0.00
3		Pyridine	40.000	42.798	-7.0	98	0.00
4		n-Nitrosodimethylamine	40.000	40.376	-0.9	94	0.00
5	S	2-Fluorophenol	80.000	79.295	0.9	93	0.00
6		Aniline	40.000	38.658	3.4	90	0.00
7	S	Phenol-d6	80.000	77.152	3.6	93	0.00
8		2-Chlorophenol	40.000	39.185	2.0	93	0.00
9		Benzaldehyde	40.000	35.792	10.5	88	0.00
10	C	Phenol	40.000	39.491	1.3	92	0.00
11		bis(2-Chloroethyl)ether	40.000	37.999	5.0	90	0.00
12		1,3-Dichlorobenzene	40.000	38.991	2.5	93	0.00
13	C	1,4-Dichlorobenzene	40.000	39.423	1.4	94	0.00
14		1,2-Dichlorobenzene	40.000	38.919	2.7	93	0.00
15		Benzyl Alcohol	40.000	39.331	1.7	91	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.514	6.2	90	0.00
17		2-Methylphenol	40.000	38.760	3.1	92	0.00
18		Hexachloroethane	40.000	39.692	0.8	94	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	37.046	7.4	90	0.00
20		3+4-Methylphenols	40.000	39.344	1.6	92	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	93	0.00
22		Acetophenone	40.000	38.557	3.6	92	0.00
23	S	Nitrobenzene-d5	80.000	80.806	-1.0	94	0.00
24		Nitrobenzene	40.000	40.006	-0.0	92	0.00
25		Isophorone	40.000	37.797	5.5	90	0.00
26	C	2-Nitrophenol	40.000	43.029	-7.6	96	0.00
27		2,4-Dimethylphenol	40.000	38.468	3.8	92	0.00
28		bis(2-Chloroethoxy)methane	40.000	37.982	5.0	90	0.00
29	C	2,4-Dichlorophenol	40.000	40.155	-0.4	93	0.00
30		1,2,4-Trichlorobenzene	40.000	39.498	1.3	94	0.00
31		Naphthalene	40.000	38.697	3.3	91	0.00
32		Benzoic acid	40.000	37.352	6.6	87	0.00
33		4-Chloroaniline	40.000	38.323	4.2	89	0.00
34	C	Hexachlorobutadiene	40.000	39.475	1.3	92	0.00
35		Caprolactam	40.000	37.614	6.0	88	0.00
36	C	4-Chloro-3-methylphenol	40.000	38.544	3.6	90	0.00
37		2-Methylnaphthalene	40.000	38.423	3.9	92	0.00
38		1-Methylnaphthalene	40.000	38.107	4.7	91	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	92	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.489	1.3	92	0.00
41	P	Hexachlorocyclopentadiene	40.000	35.643	10.9	82	0.00
42	S	2,4,6-Tribromophenol	80.000	78.092	2.4	90	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.809	0.5	90	0.00
44		2,4,5-Trichlorophenol	40.000	40.168	-0.4	91	0.00
45	S	2-Fluorobiphenyl	80.000	76.880	3.9	92	0.00
46		1,1'-Biphenyl	40.000	38.859	2.9	91	0.00
47		2-Chloronaphthalene	40.000	38.762	3.1	91	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143445.D
Acq On : 19 Aug 2025 09:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 19 12:03:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	40.168	-0.4	90	0.00
49		Acenaphthylene	40.000	38.817	3.0	91	0.00
50		Dimethylphthalate	40.000	37.950	5.1	90	0.00
51		2,6-Dinitrotoluene	40.000	41.056	-2.6	92	0.00
52	C	Acenaphthene	40.000	38.798	3.0	92	0.00
53		3-Nitroaniline	40.000	39.632	0.9	88	0.00
54	P	2,4-Dinitrophenol	40.000	38.759	3.1	97	0.00
55		Dibenzofuran	40.000	37.552	6.1	88	0.00
56	P	4-Nitrophenol	40.000	37.201	7.0	82	0.00
57		2,4-Dinitrotoluene	40.000	40.831	-2.1	92	0.00
58		Fluorene	40.000	37.568	6.1	91	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.604	1.0	86	0.00
60		Diethylphthalate	40.000	36.905	7.7	88	0.00
61		4-Chlorophenyl-phenylether	40.000	38.452	3.9	91	0.00
62		4-Nitroaniline	40.000	38.667	3.3	87	0.00
63		Azobenzene	40.000	37.693	5.8	88	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	89	0.00
65		4,6-Dinitro-2-methylphenol	40.000	42.402	-6.0	91	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.240	1.9	88	0.00
67		4-Bromophenyl-phenylether	40.000	39.202	2.0	88	0.00
68		Hexachlorobenzene	40.000	39.392	1.5	91	0.00
69		Atrazine	40.000	38.541	3.6	86	0.00
70	C	Pentachlorophenol	40.000	40.495	-1.2	88	0.00
71		Phenanthrene	40.000	38.443	3.9	88	0.00
72		Anthracene	40.000	38.538	3.7	88	0.00
73		Carbazole	40.000	37.459	6.4	87	0.00
74		Di-n-butylphthalate	40.000	37.595	6.0	87	0.00
75	C	Fluoranthene	40.000	36.593	8.5	88	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	97	0.00
77		Benzidine	40.000	33.511	16.2	85	0.00
78		Pyrene	40.000	36.459	8.9	90	0.00
79	S	Terphenyl-d14	80.000	72.100	9.9	91	0.00
80		Butylbenzylphthalate	40.000	43.946	-9.9	100	0.00
81		Benzo(a)anthracene	40.000	37.909	5.2	93	0.00
82		3,3'-Dichlorobenzidine	40.000	42.346	-5.9	97	0.00
83		Chrysene	40.000	39.305	1.7	94	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	48.143	-20.4	107	0.00
85	c	Di-n-octyl phthalate	40.000	45.391	-13.5	102	0.00
86	I	Perylene-d12	20.000	20.000	0.0	101	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	37.481	6.3	95	0.00
88		Benzo(b)fluoranthene	40.000	37.062	7.3	92	0.00
89		Benzo(k)fluoranthene	40.000	39.211	2.0	100	0.00
90	C	Benzo(a)pyrene	40.000	38.707	3.2	96	0.00
91		Dibenzo(a,h)anthracene	40.000	37.613	6.0	95	0.00
92		Benzo(g,h,i)perylene	40.000	36.858	7.9	93	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143445.D
Acq On : 19 Aug 2025 09:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 19 12:03:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: NOBI03

Lab Code: ACE SDG No.: Q2879

Instrument ID: BNA_F Calibration Date/Time: 08/19/2025 19:53

Lab File ID: BF143465.D Init. Calib. Date(s): 08/15/2025 08/15/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 14:29 17:57

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.151	1.147		-0.3	50.0
Phenol-d6	1.450	1.417		-2.3	50.0
Nitrobenzene-d5	0.337	0.341		1.2	50.0
Naphthalene	0.950	0.945		-0.5	50.0
2-Methylnaphthalene	0.640	0.642		0.3	50.0
2-Fluorobiphenyl	1.189	1.143		-3.9	50.0
Acenaphthylene	1.602	1.570		-2.0	50.0
Acenaphthene	1.077	1.067		-0.9	50.0
Fluorene	1.194	1.153		-3.4	50.0
2,4,6-Tribromophenol	0.178	0.188		5.6	50.0
Phenanthrene	1.083	1.044		-3.6	50.0
Anthracene	1.094	1.058		-3.3	50.0
Fluoranthene	0.962	0.899		-6.5	50.0
Pyrene	1.738	1.802		3.7	50.0
Terphenyl-d14	1.191	1.246		4.6	50.0
Benzo(a)anthracene	1.273	1.278		0.4	50.0
Chrysene	1.177	1.149		-2.4	50.0
Benzo(b)fluoranthene	1.072	1.084		1.1	50.0
Benzo(k)fluoranthene	1.057	0.971		-8.1	50.0
Benzo(a)pyrene	1.021	1.011		-1.0	50.0
Indeno(1,2,3-cd)pyrene	1.500	1.455		-3.0	50.0
Dibenzo(a,h)anthracene	1.204	1.166		-3.2	50.0
Benzo(g,h,i)perylene	1.203	1.166		-3.1	50.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143465.D
Acq On : 19 Aug 2025 19:53
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 20 01:13:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	141622	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	548647	20.000	ng		0.00
39) Acenaphthene-d10	9.963	164	311599	20.000	ng		0.00
64) Phenanthrene-d10	11.451	188	482835	20.000	ng		0.00
76) Chrysene-d12	14.092	240	238533	20.000	ng		0.00
86) Perylene-d12	15.580	264	315648	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.563	112	649496	79.722	ng		0.00
7) Phenol-d6	6.569	99	802783	78.189	ng		0.01
23) Nitrobenzene-d5	7.492	82	749350	81.046	ng		0.00
42) 2,4,6-Tribromophenol	10.757	330	233729	84.273	ng		0.00
45) 2-Fluorobiphenyl	9.286	172	1425158	76.929	ng		0.00
79) Terphenyl-d14	13.027	244	1189246	83.752	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.734	88	148808	37.946	ng		99
3) Pyridine	3.522	79	402816	39.164	ng		98
4) n-Nitrosodimethylamine	3.457	42	181558	37.978	ng		99
6) Aniline	6.593	93	541689	38.863	ng	#	85
8) 2-Chlorophenol	6.722	128	363085	40.367	ng		97
9) Benzaldehyde	6.481	77	212502	38.906	ng		97
10) Phenol	6.581	94	463778	38.710	ng		87
11) bis(2-Chloroethyl)ether	6.657	93	348060	39.192	ng		99
12) 1,3-Dichlorobenzene	6.875	146	401402	39.839	ng		99
13) 1,4-Dichlorobenzene	6.945	146	399806	39.746	ng		99
14) 1,2-Dichlorobenzene	7.098	146	379025	39.450	ng		99
15) Benzyl Alcohol	7.069	79	321202	42.422	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.198	45	574326	37.828	ng		88
17) 2-Methylphenol	7.187	107	293360	39.975	ng		95
18) Hexachloroethane	7.440	117	136440	39.849	ng		99
19) n-Nitroso-di-n-propyla...	7.340	70	250759	39.451	ng		98
20) 3+4-Methylphenols	7.340	107	352647	40.197	ng		94
22) Acetophenone	7.334	105	463004	39.250	ng		99
24) Nitrobenzene	7.510	77	391968	40.562	ng		97
25) Isophorone	7.751	82	709493	40.093	ng		99
26) 2-Nitrophenol	7.828	139	202641	45.235	ng		97
27) 2,4-Dimethylphenol	7.863	122	300251	39.641	ng		99
28) bis(2-Chloroethoxy)met...	7.951	93	435876	40.073	ng		100
29) 2,4-Dichlorophenol	8.075	162	320061	41.452	ng		99
30) 1,2,4-Trichlorobenzene	8.151	180	319413	40.374	ng		99
31) Naphthalene	8.234	128	1037253	39.822	ng		100
32) Benzoic acid	7.981	122	169803	43.106	ng		97
33) 4-Chloroaniline	8.281	127	384279	40.872	ng		98
34) Hexachlorobutadiene	8.351	225	210545	41.735	ng		99
35) Caprolactam	8.651	113	93712	42.156	ng		95
36) 4-Chloro-3-methylphenol	8.763	107	326982	41.119	ng		99
37) 2-Methylnaphthalene	8.922	142	704960	40.152	ng		100
38) 1-Methylnaphthalene	9.022	142	680707	40.466	ng		100
40) 1,2,4,5-Tetrachloroben...	9.092	216	347121	39.945	ng		99
41) Hexachlorocyclopentadiene	9.081	237	112754	39.240	ng		99
43) 2,4,6-Trichlorophenol	9.204	196	226056	41.701	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143465.D
Acq On : 19 Aug 2025 19:53
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 20 01:13:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

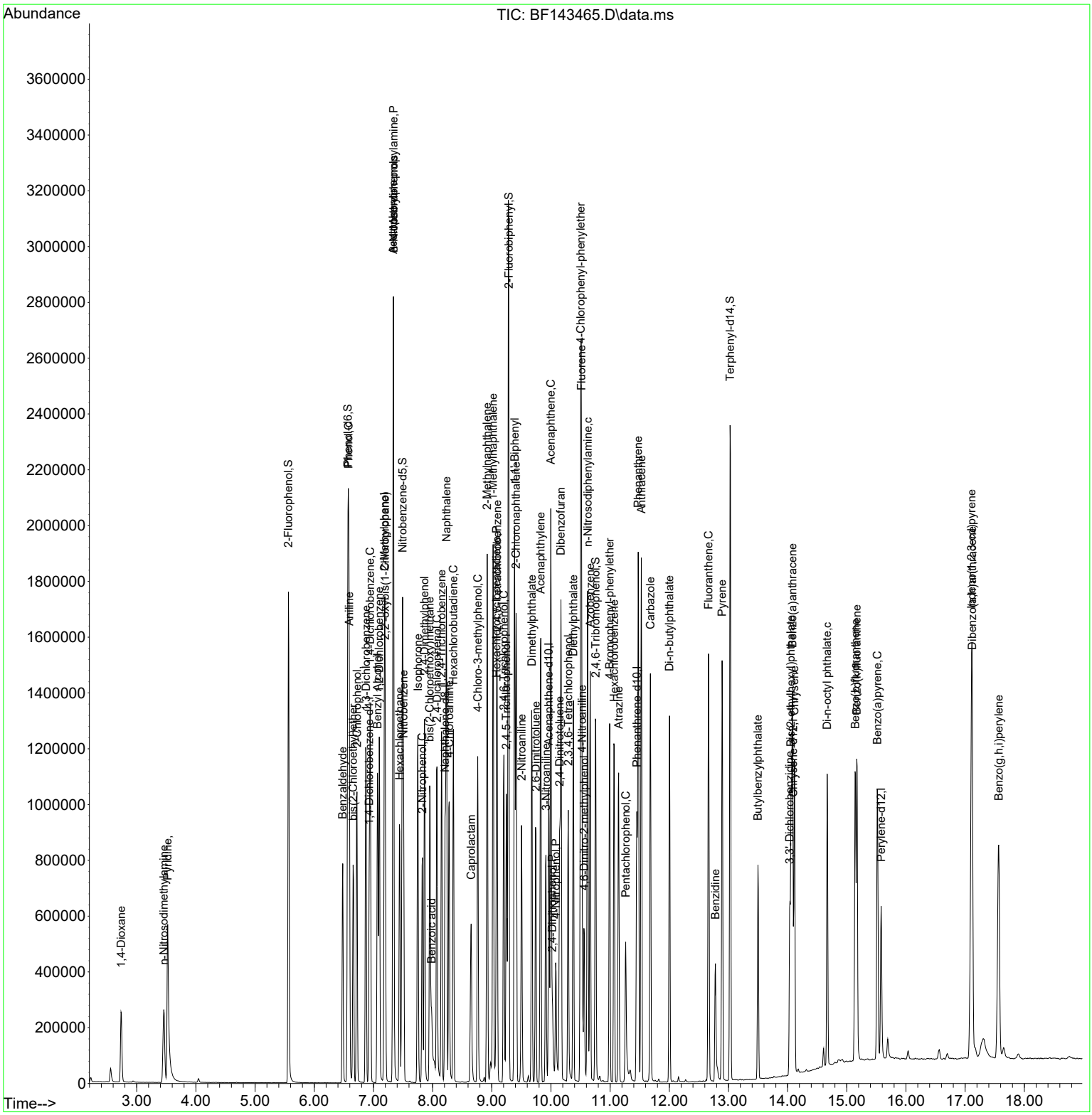
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	236288	40.664	ng	97
46) 1,1'-Biphenyl	9.386	154	857883	39.184	ng	99
47) 2-Chloronaphthalene	9.410	162	676063	39.120	ng	99
48) 2-Nitroaniline	9.504	65	210143	40.861	ng	94
49) Acenaphthylene	9.828	152	978163	39.202	ng	100
50) Dimethylphthalate	9.675	163	779522	40.126	ng	100
51) 2,6-Dinitrotoluene	9.745	165	166046	43.358	ng	94
52) Acenaphthene	9.998	154	665011	39.626	ng	100
53) 3-Nitroaniline	9.916	138	178756	41.903	ng	97
54) 2,4-Dinitrophenol	10.022	184	72372	43.488	ng	94
55) Dibenzofuran	10.169	168	950232	39.251	ng	99
56) 4-Nitrophenol	10.081	139	104819	39.083	ng	98
57) 2,4-Dinitrotoluene	10.145	165	223624	43.798	ng	99
58) Fluorene	10.516	166	718356	38.624	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	187402	42.605	ng	99
60) Diethylphthalate	10.381	149	713068	39.720	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	370327	40.274	ng	96
62) 4-Nitroaniline	10.528	138	162281	40.677	ng	99
63) Azobenzene	10.663	77	707214	38.977	ng	100
65) 4,6-Dinitro-2-methylph...	10.563	198	112171	45.026	ng	95
66) n-Nitrosodiphenylamine	10.622	169	619911	39.486	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	232380	40.757	ng	99
68) Hexachlorobenzene	11.069	284	244677	40.366	ng	96
69) Atrazine	11.145	200	188697	41.093	ng	99
70) Pentachlorophenol	11.263	266	112651	42.261	ng	99
71) Phenanthrene	11.475	178	1008081	38.555	ng	99
72) Anthracene	11.528	178	1021293	38.673	ng	99
73) Carbazole	11.680	167	840465	37.630	ng	100
74) Di-n-butylphthalate	12.004	149	916825	41.221	ng	100
75) Fluoranthene	12.663	202	867824	37.354	ng	100
77) Benzidine	12.780	184	267385	37.538	ng	99
78) Pyrene	12.892	202	859778	41.470	ng	99
80) Butylbenzylphthalate	13.498	149	243008	47.322	ng	100
81) Benzo(a)anthracene	14.080	228	609614	40.142	ng	99
82) 3,3'-Dichlorobenzidine	14.033	252	194819	43.815	ng	100
83) Chrysene	14.116	228	547981	39.031	ng	100
84) Bis(2-ethylhexyl)phtha...	14.057	149	345222	47.337	ng	100
85) Di-n-octyl phthalate	14.668	149	686228	46.393	ng	99
87) Indeno(1,2,3-cd)pyrene	17.110	276	918539	38.805	ng	99
88) Benzo(b)fluoranthene	15.145	252	684374	40.454	ng	99
89) Benzo(k)fluoranthene	15.168	252	613134	36.745	ng	99
90) Benzo(a)pyrene	15.515	252	638063	39.599	ng	99
91) Dibenzo(a,h)anthracene	17.121	278	736384	38.739	ng	99
92) Benzo(g,h,i)perylene	17.568	276	735937	38.755	ng	98

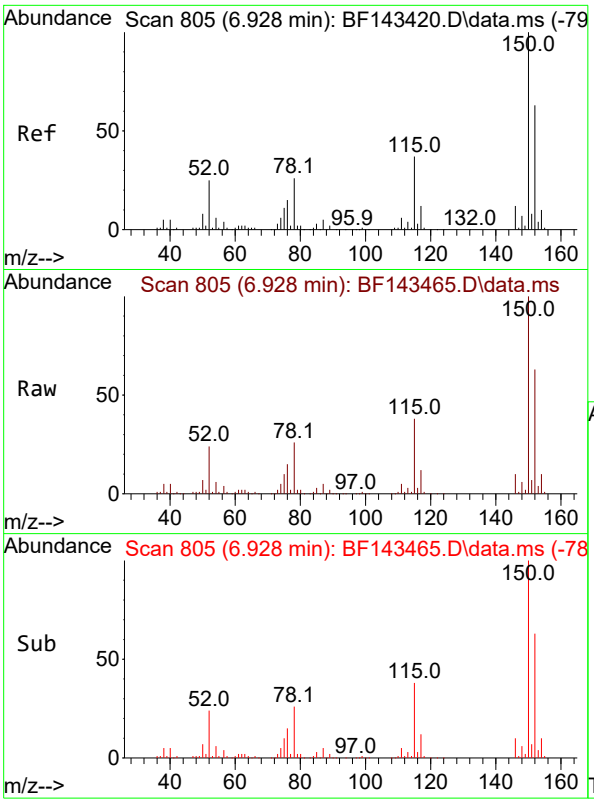
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143465.D
Acq On : 19 Aug 2025 19:53
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 20 01:13:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration



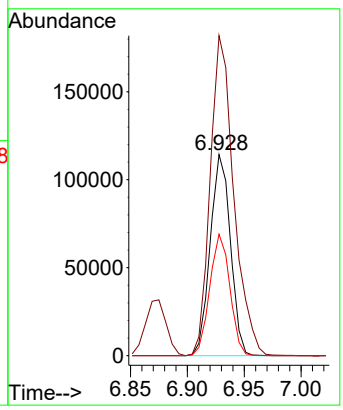


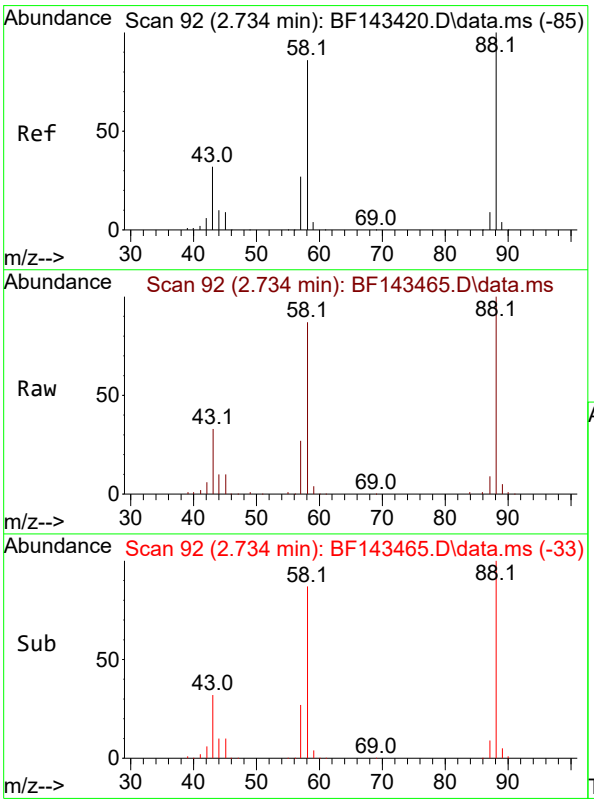
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 141622

Ion	Ratio	Lower	Upper
152	100		
150	159.0	127.4	191.2
115	60.4	47.5	71.3

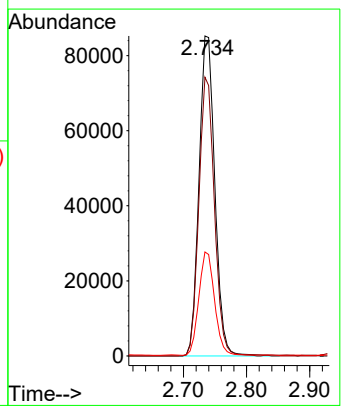


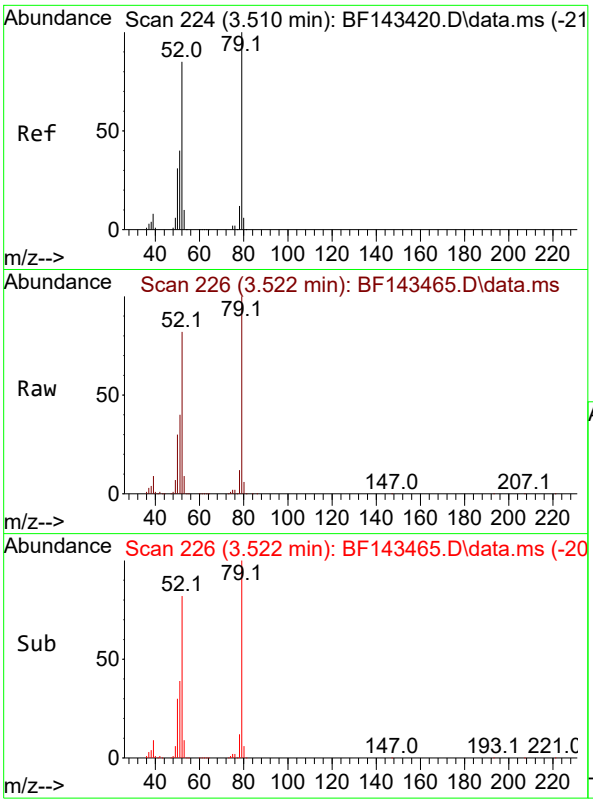


#2
1,4-Dioxane
Concen: 37.946 ng
RT: 2.734 min Scan# 92
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion: 88 Resp: 148808

Ion	Ratio	Lower	Upper
88	100		
58	85.4	68.7	103.1
43	31.9	26.1	39.1



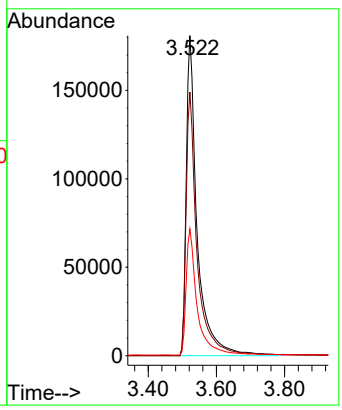


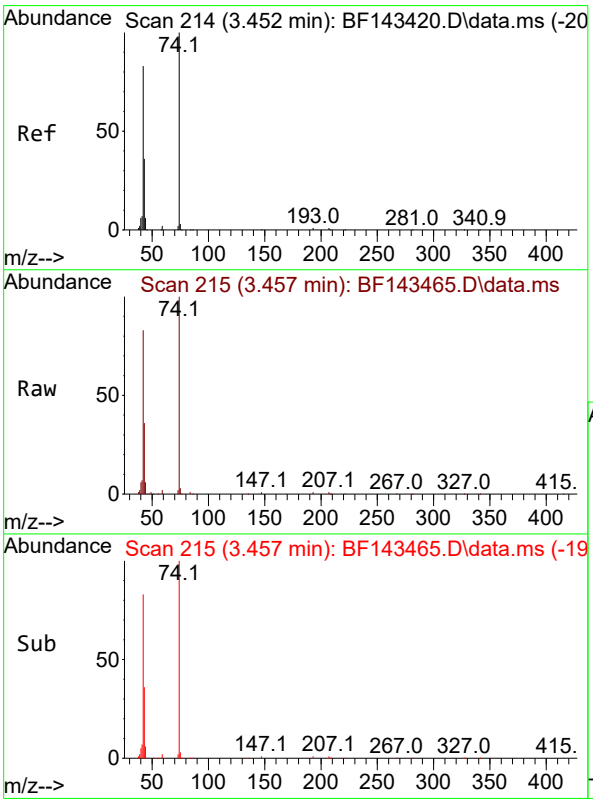
#3
Pyridine
Concen: 39.164 ng
RT: 3.522 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 402816

Ion	Ratio	Lower	Upper
79	100		
52	82.4	67.7	101.5
51	39.6	32.3	48.5

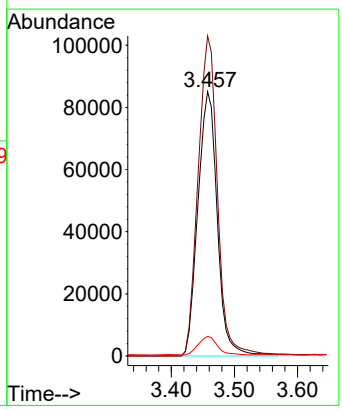


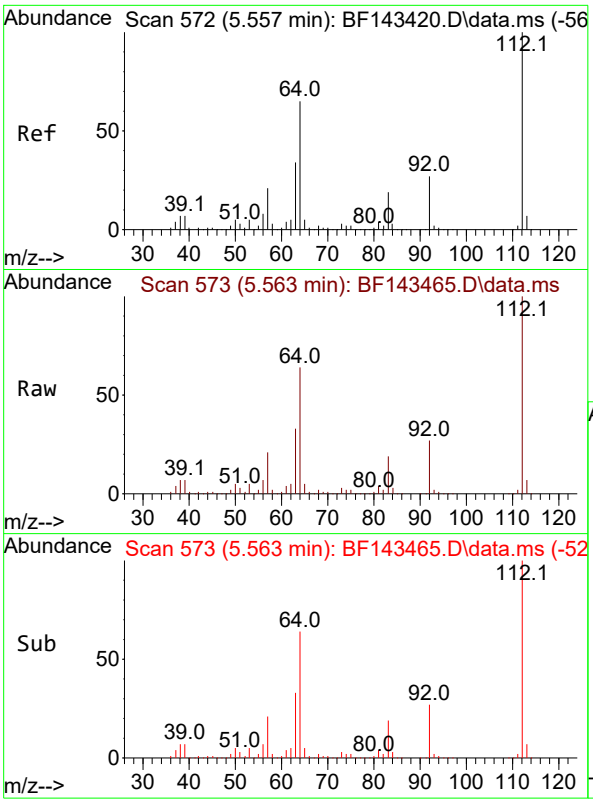


#4
n-Nitrosodimethylamine
Concen: 37.978 ng
RT: 3.457 min Scan# 215
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion: 42 Resp: 181558

Ion	Ratio	Lower	Upper
42	100		
74	121.1	96.2	144.4
44	7.4	5.9	8.9



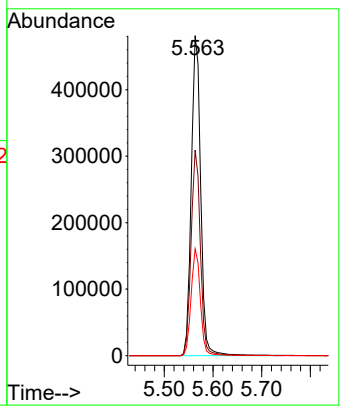


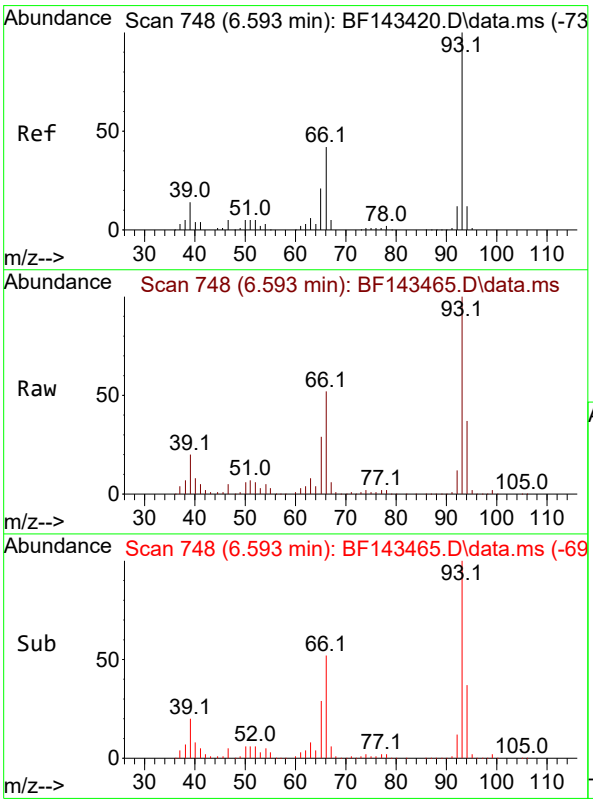
#5
2-Fluorophenol
Concen: 79.722 ng
RT: 5.563 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:112 Resp: 649496

Ion	Ratio	Lower	Upper
112	100		
64	64.3	52.2	78.2
63	33.4	27.0	40.6

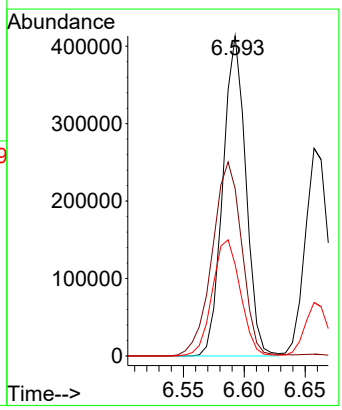


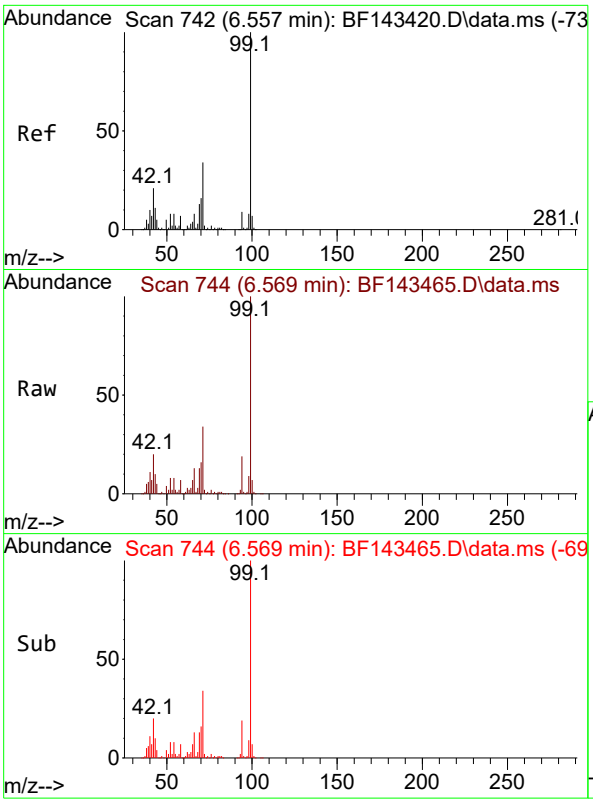


#6
Aniline
Concen: 38.863 ng
RT: 6.593 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion: 93 Resp: 541689

Ion	Ratio	Lower	Upper
93	100		
66	52.2	33.8	50.8#
65	28.6	17.2	25.8#



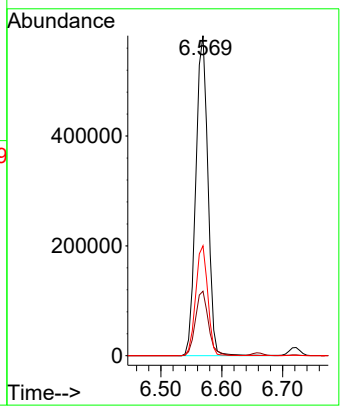


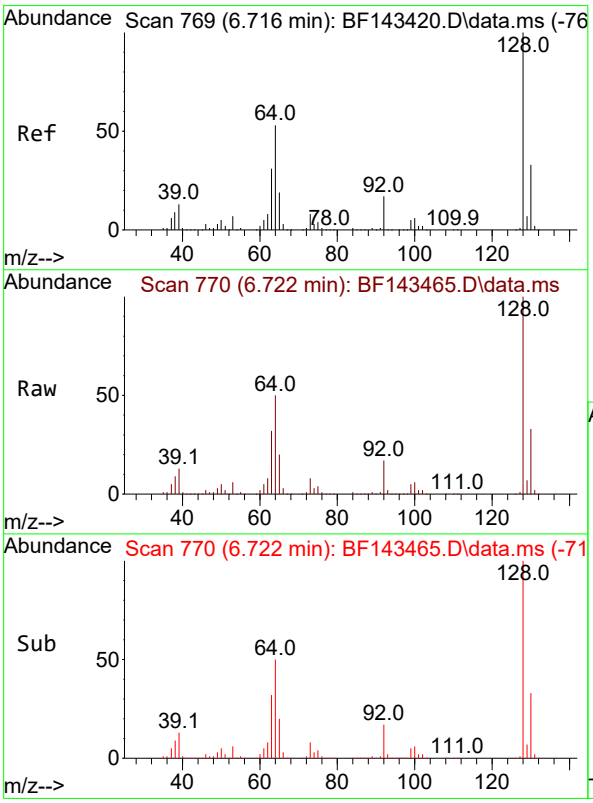
#7
Phenol-d6
Concen: 78.189 ng
RT: 6.569 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 99 Resp: 802783

Ion	Ratio	Lower	Upper
99	100		
42	20.1	17.0	25.6
71	34.4	27.4	41.2

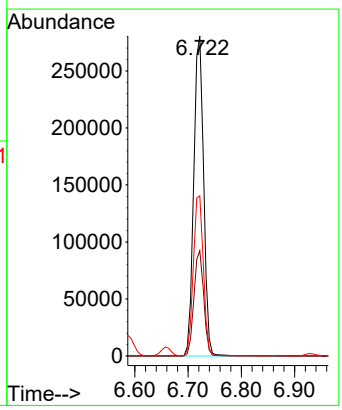


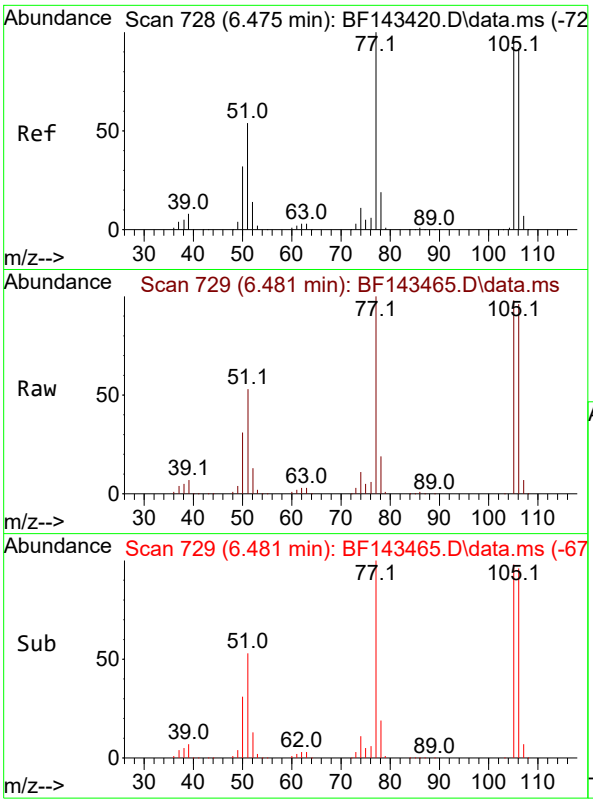


#8
2-Chlorophenol
Concen: 40.367 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:128 Resp: 363085

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.9	52.9
64	50.0	33.1	73.1



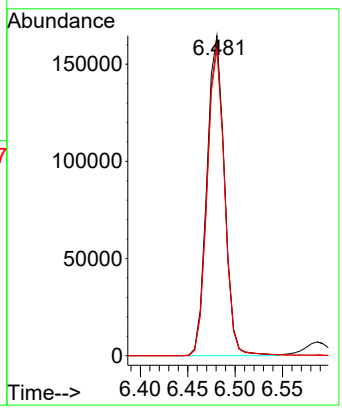


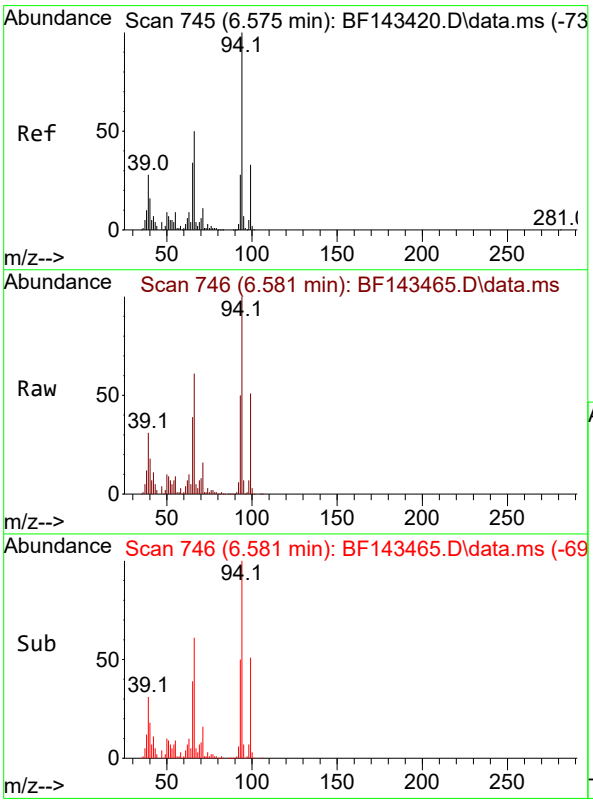
#9
Benzaldehyde
Concen: 38.906 ng
RT: 6.481 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 212502

Ion	Ratio	Lower	Upper
77	100		
105	97.6	75.5	115.5
106	95.7	72.0	112.0

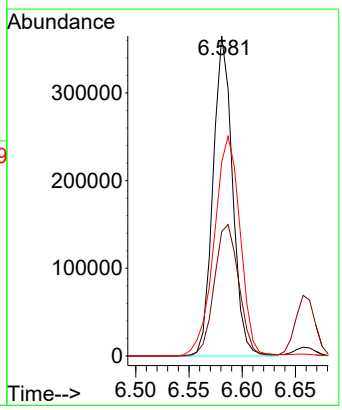


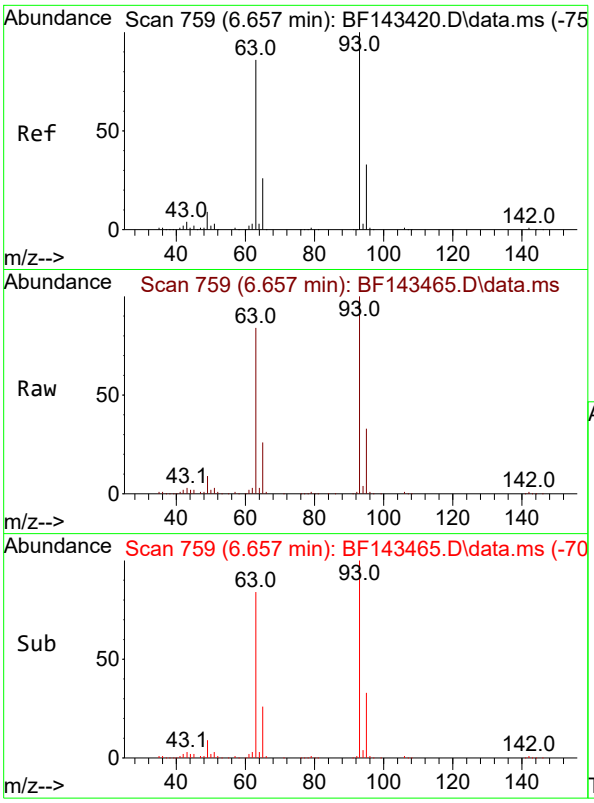


#10
Phenol
Concen: 38.710 ng
RT: 6.581 min Scan# 746
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion: 94 Resp: 463778

Ion	Ratio	Lower	Upper
94	100		
65	38.9	13.7	53.7
66	60.6	30.3	70.3



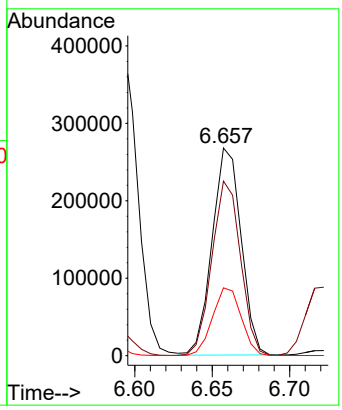


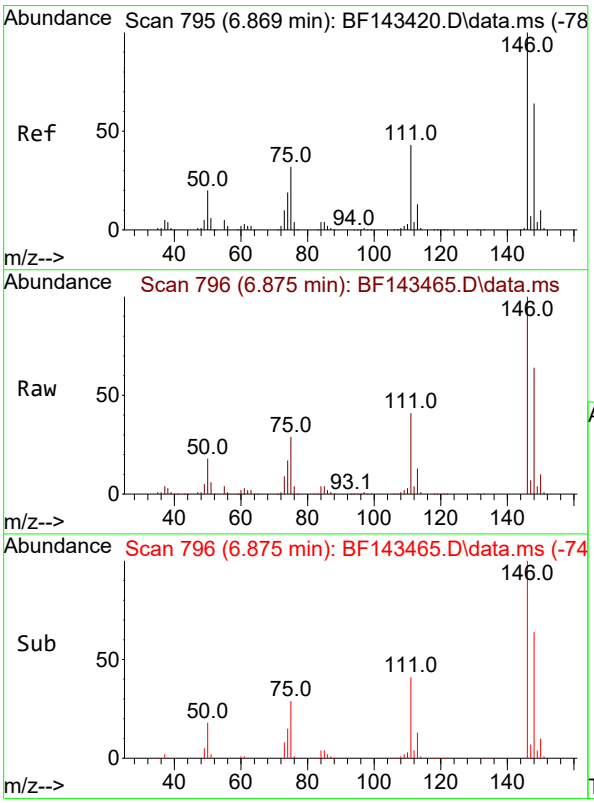
#11
bis(2-Chloroethyl)ether
Concen: 39.192 ng
RT: 6.657 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 93 Resp: 348060

Ion	Ratio	Lower	Upper
93	100		
63	84.1	65.4	105.4
95	32.7	12.8	52.8

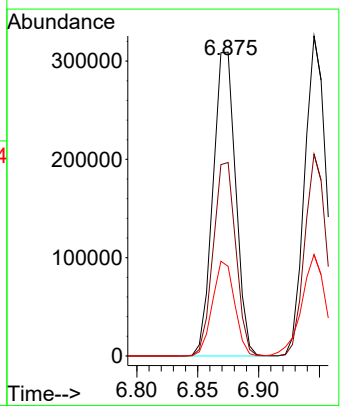


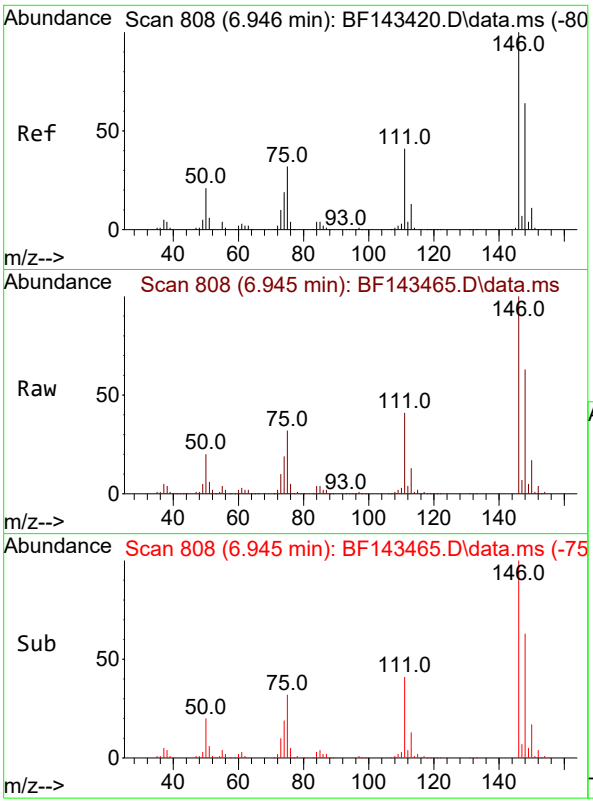


#12
1,3-Dichlorobenzene
Concen: 39.839 ng
RT: 6.875 min Scan# 796
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:146 Resp: 401402

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.4
75	29.5	25.3	37.9



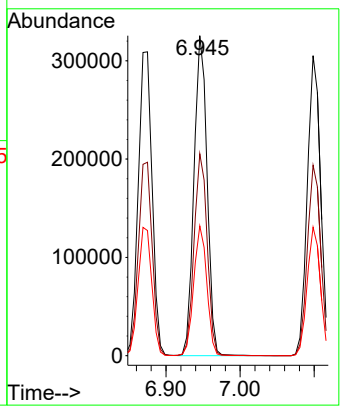


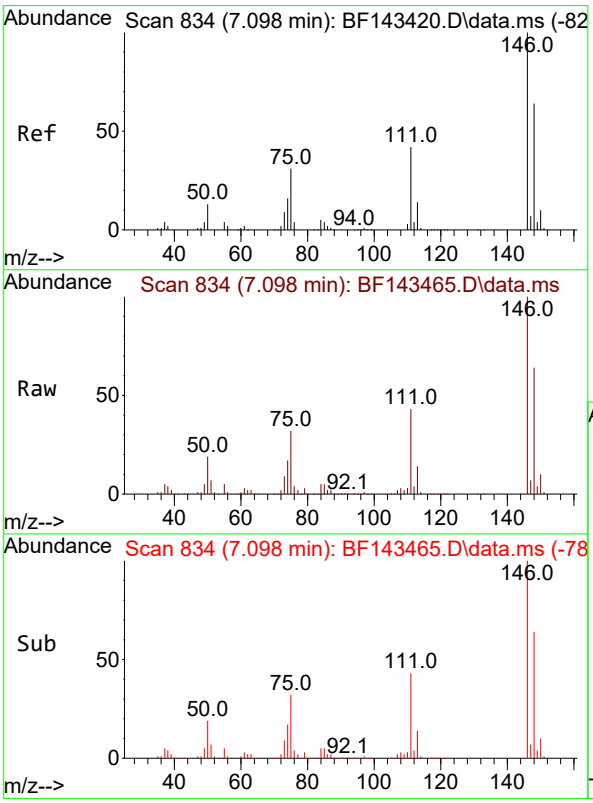
#13
1,4-Dichlorobenzene
Concen: 39.746 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:146 Resp: 399806

Ion	Ratio	Lower	Upper
146	100		
148	63.1	51.1	76.7
111	40.6	32.5	48.7

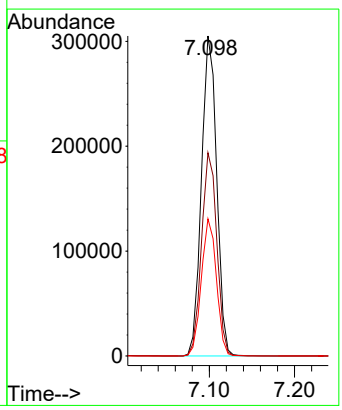


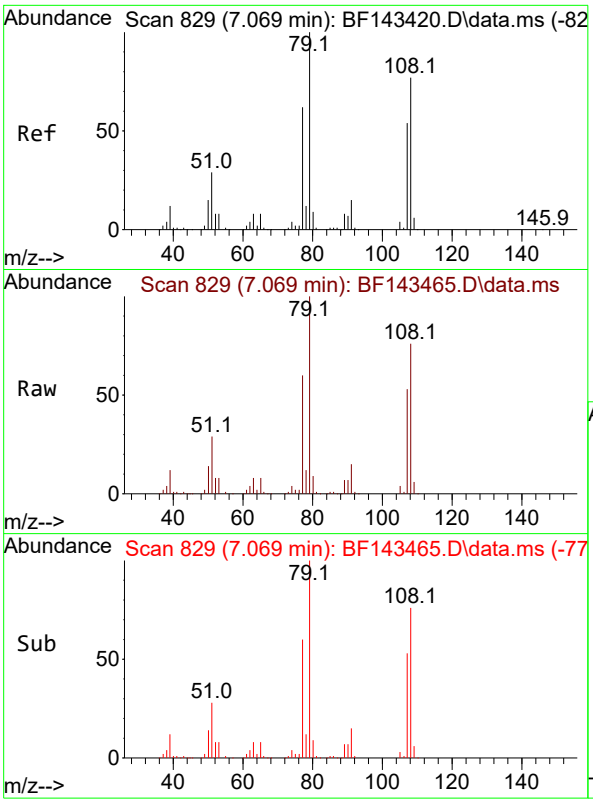


#14
1,2-Dichlorobenzene
Concen: 39.450 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:146 Resp: 379025

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.4	77.0
111	42.8	33.9	50.9



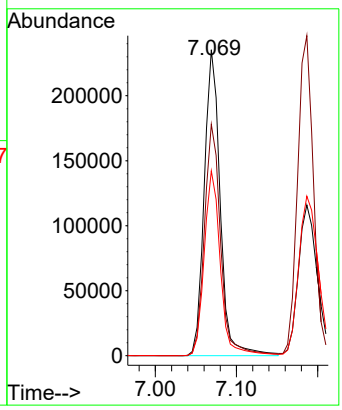


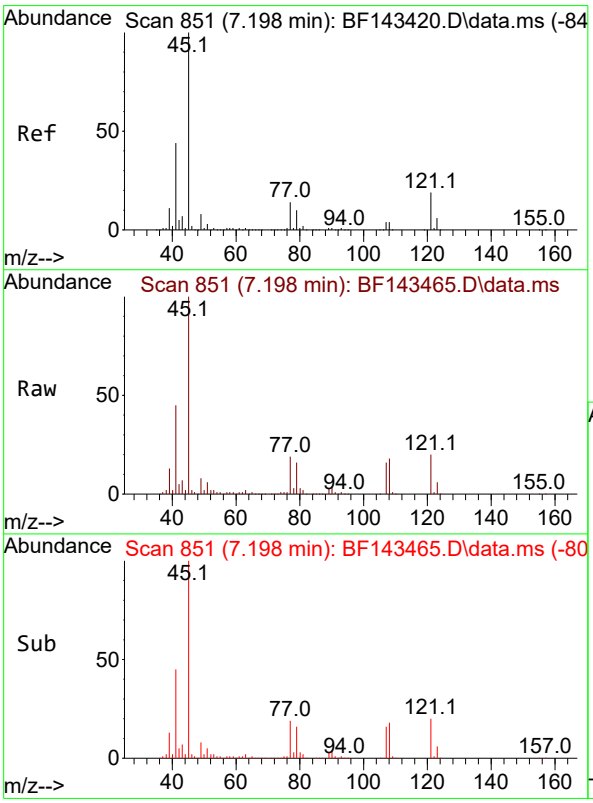
#15
Benzyl Alcohol
Concen: 42.422 ng
RT: 7.069 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 321202

Ion	Ratio	Lower	Upper
79	100		
108	75.6	61.9	92.9
77	60.4	49.2	73.8

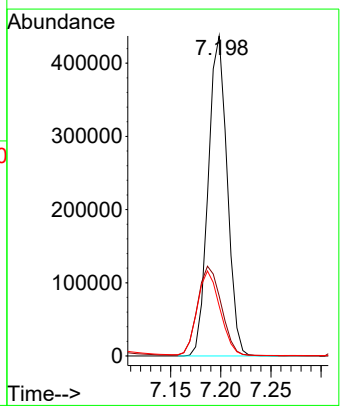


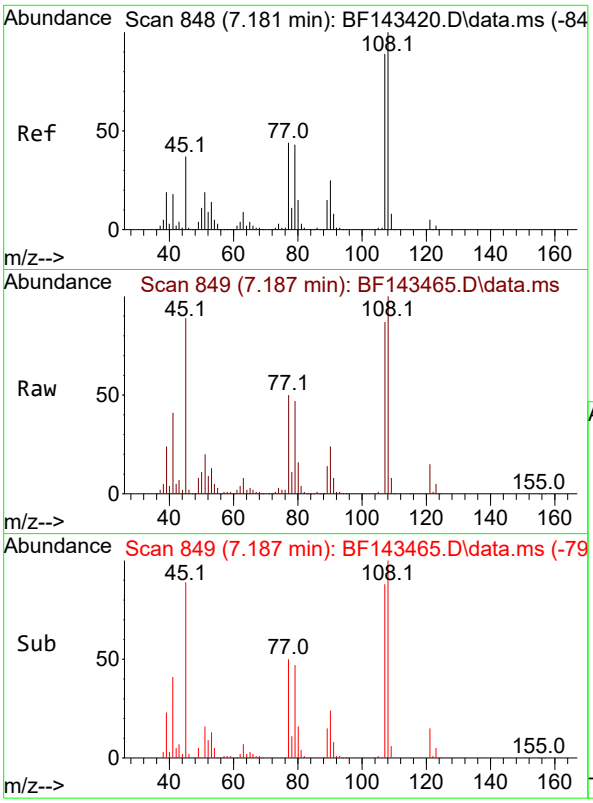


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.828 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion: 45 Resp: 574326

Ion	Ratio	Lower	Upper
45	100		
77	18.8	0.0	33.9
79	15.6	0.0	30.7



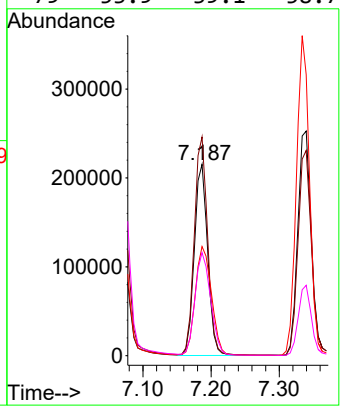


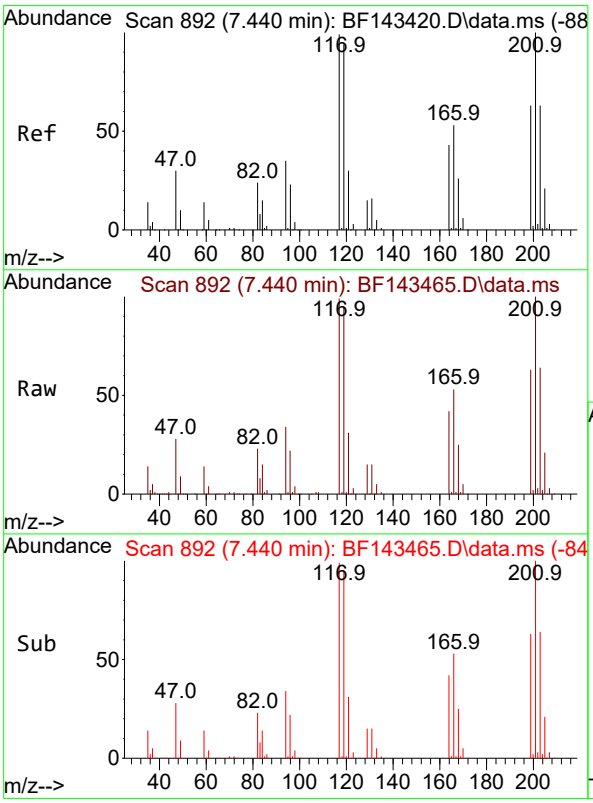
#17
2-Methylphenol
Concen: 39.975 ng
RT: 7.187 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:107 Resp: 293360

Ion	Ratio	Lower	Upper
107	100		
108	114.4	90.1	135.1
77	57.0	39.9	59.9
79	53.9	39.1	58.7

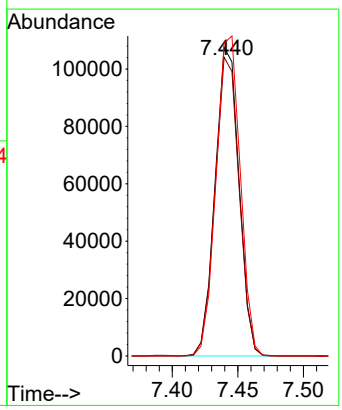


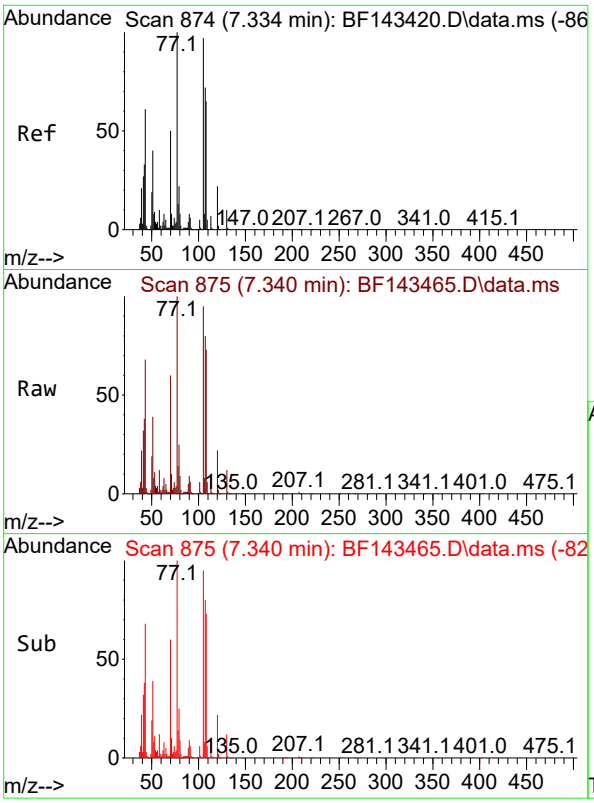


#18
Hexachloroethane
Concen: 39.849 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:117 Resp: 136440

Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.6	114.8
201	101.3	81.0	121.4



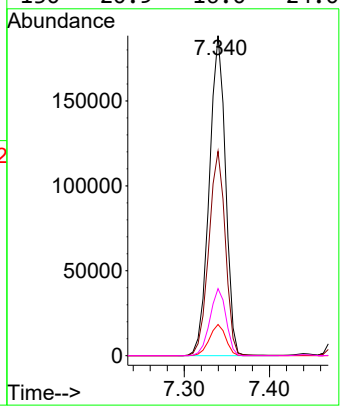


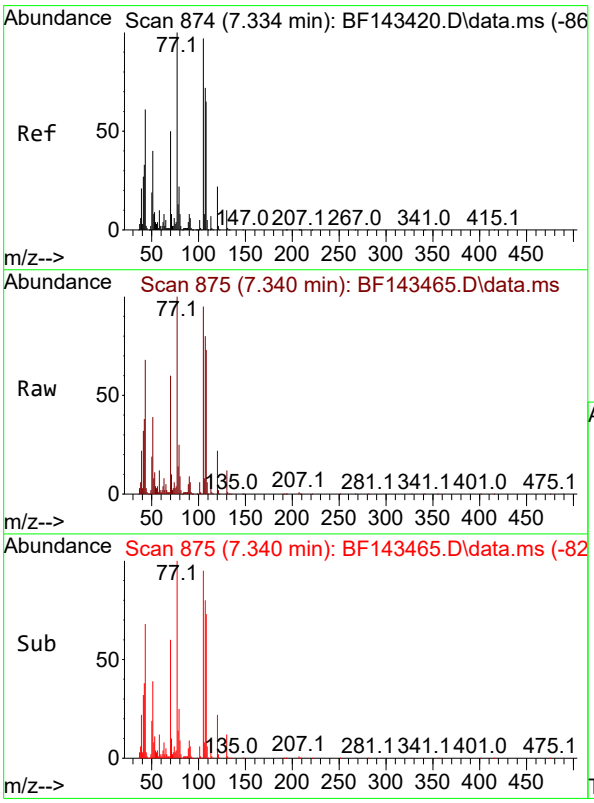
#19
n-Nitroso-di-n-propylamine
Concen: 39.451 ng
RT: 7.340 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 250759

Ion	Ratio	Lower	Upper
70	100		
42	63.9	52.5	78.7
101	9.7	7.9	11.9
130	20.9	16.0	24.0

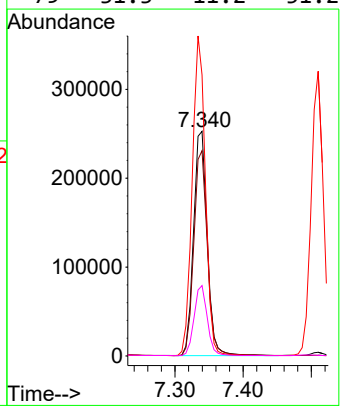


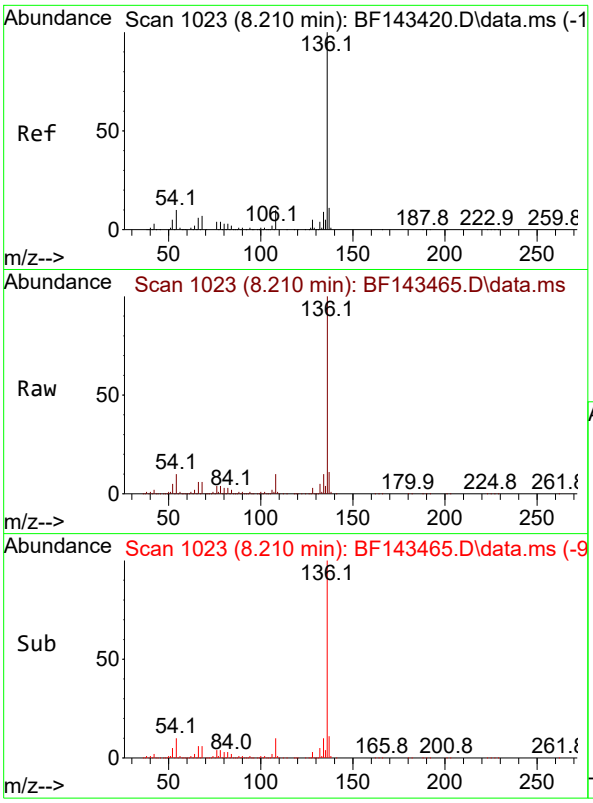


#20
3+4-Methylphenols
Concen: 40.197 ng
RT: 7.340 min Scan# 875
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:107 Resp: 352647

Ion	Ratio	Lower	Upper
107	100		
108	91.4	70.8	110.8
77	125.1	119.1	159.1
79	31.3	11.2	51.2



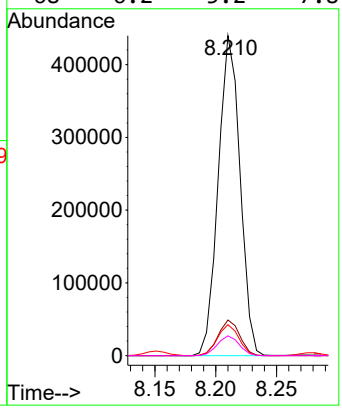


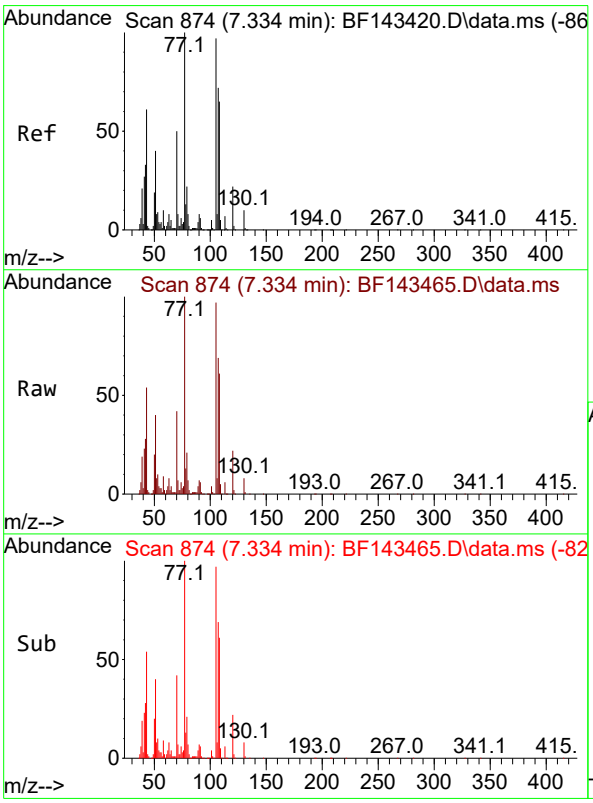
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:136 Resp: 548647

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	9.7	7.8	11.8
68	6.2	5.2	7.8

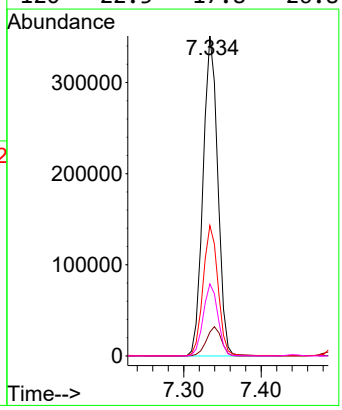


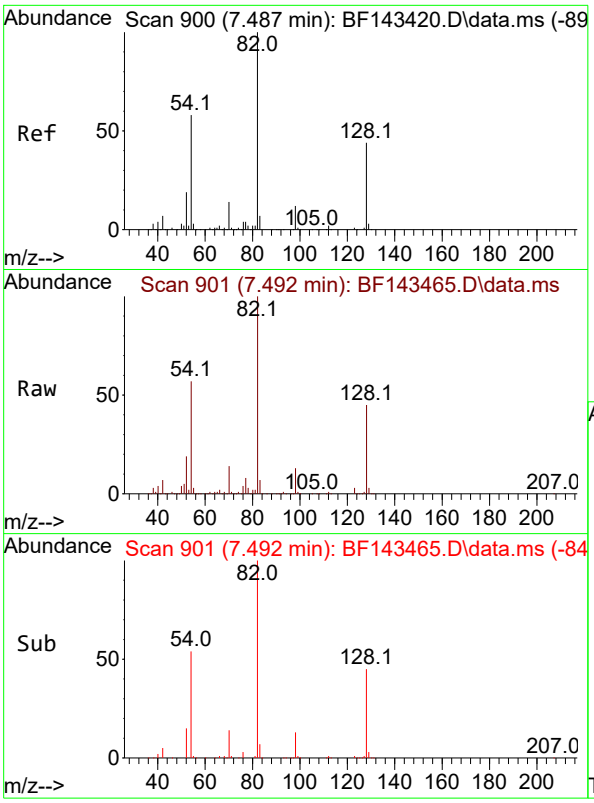


#22
Acetophenone
Concen: 39.250 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:105 Resp: 463004

Ion	Ratio	Lower	Upper
105	100		
71	7.5	7.0	10.4
51	40.8	32.7	49.1
120	22.5	17.8	26.8



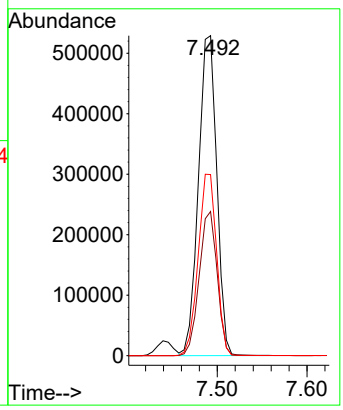


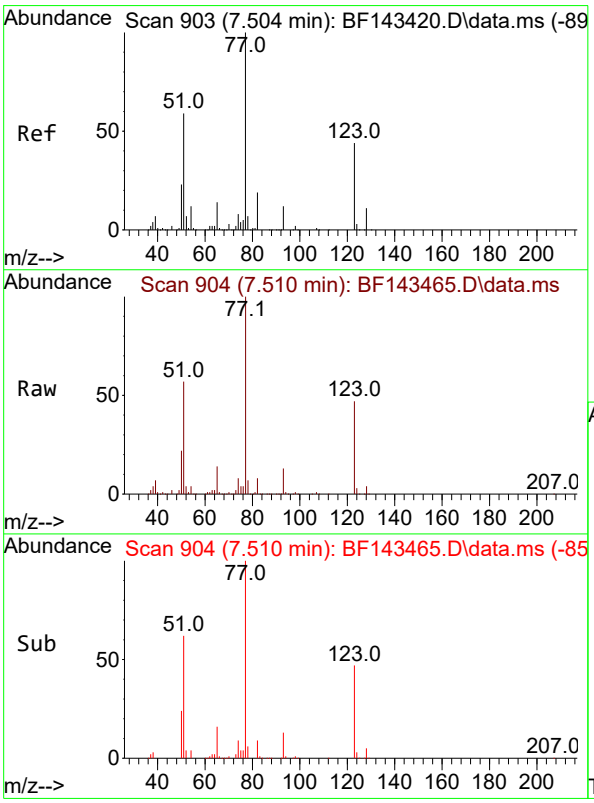
#23
Nitrobenzene-d5
Concen: 81.046 ng
RT: 7.492 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 749350

Ion	Ratio	Lower	Upper
82	100		
128	45.1	34.6	52.0
54	56.6	46.0	69.0

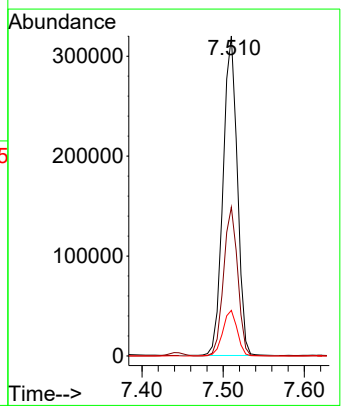


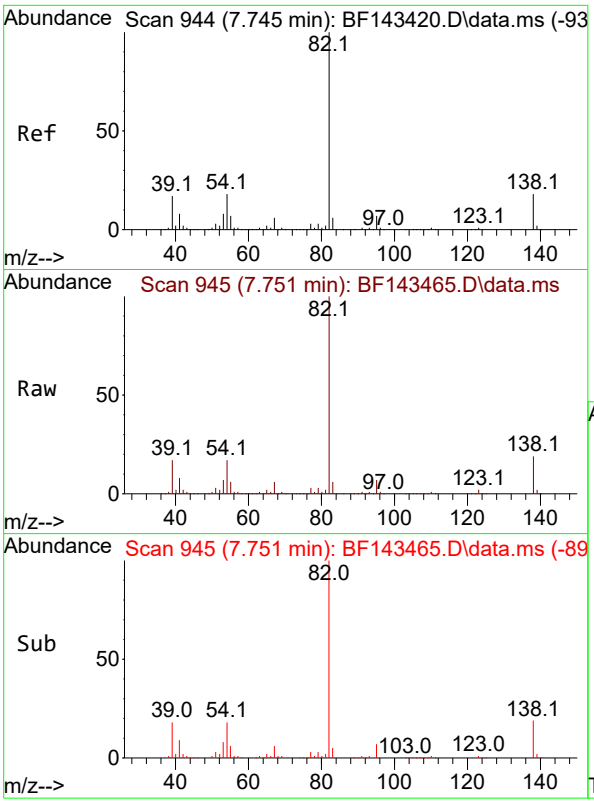


#24
Nitrobenzene
Concen: 40.562 ng
RT: 7.510 min Scan# 904
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion: 77 Resp: 391968

Ion	Ratio	Lower	Upper
77	100		
123	46.5	35.4	53.0
65	14.3	11.2	16.8



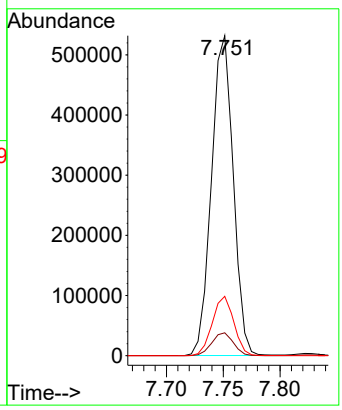


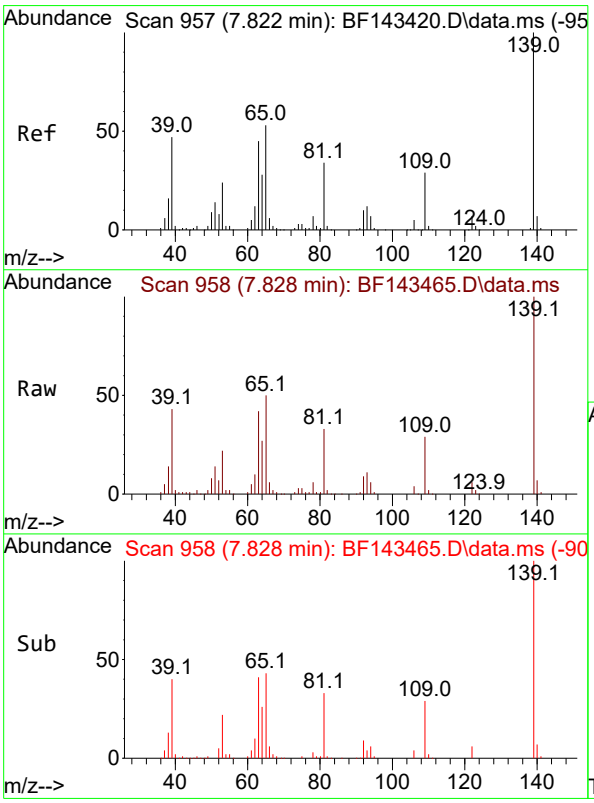
#25
Isophorone
Concen: 40.093 ng
RT: 7.751 min Scan# 94
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 709493

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.6	8.4
138	18.5	14.3	21.5

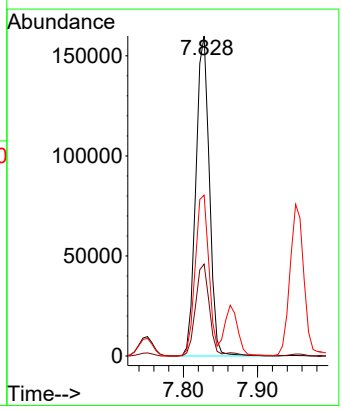


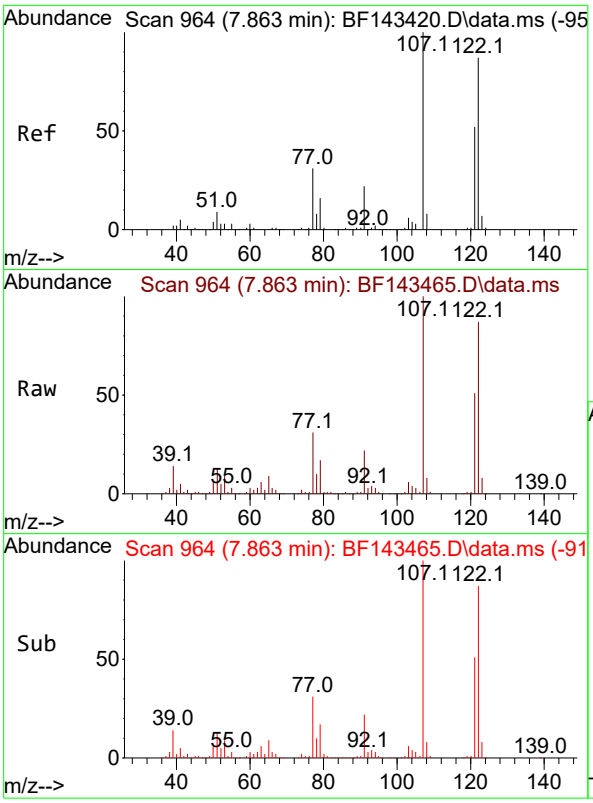


#26
2-Nitrophenol
Concen: 45.235 ng
RT: 7.828 min Scan# 958
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:139 Resp: 202641

Ion	Ratio	Lower	Upper
139	100		
109	28.7	23.0	34.4
65	50.3	42.5	63.7



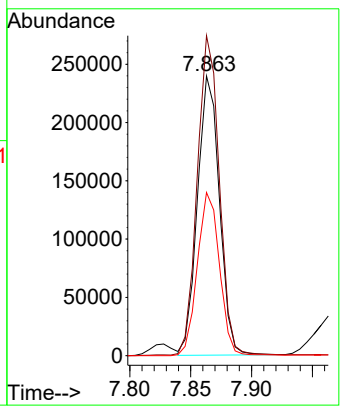


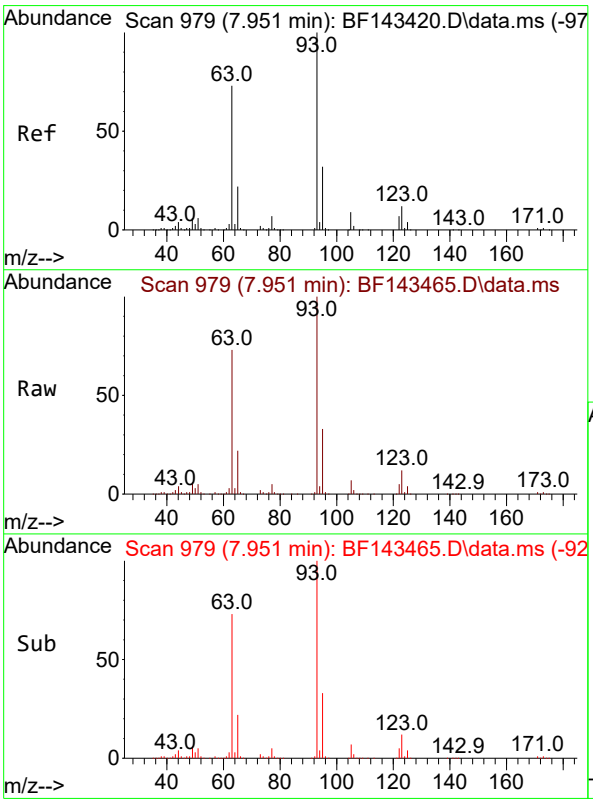
#27
2,4-Dimethylphenol
Concen: 39.641 ng
RT: 7.863 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:122 Resp: 300251

Ion	Ratio	Lower	Upper
122	100		
107	114.4	90.4	135.6
121	58.3	46.7	70.1

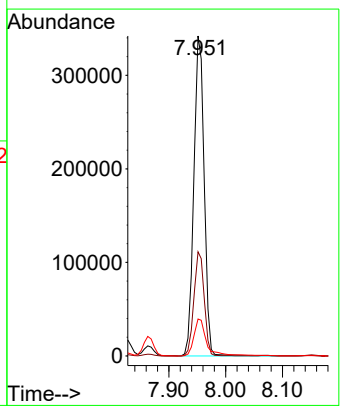


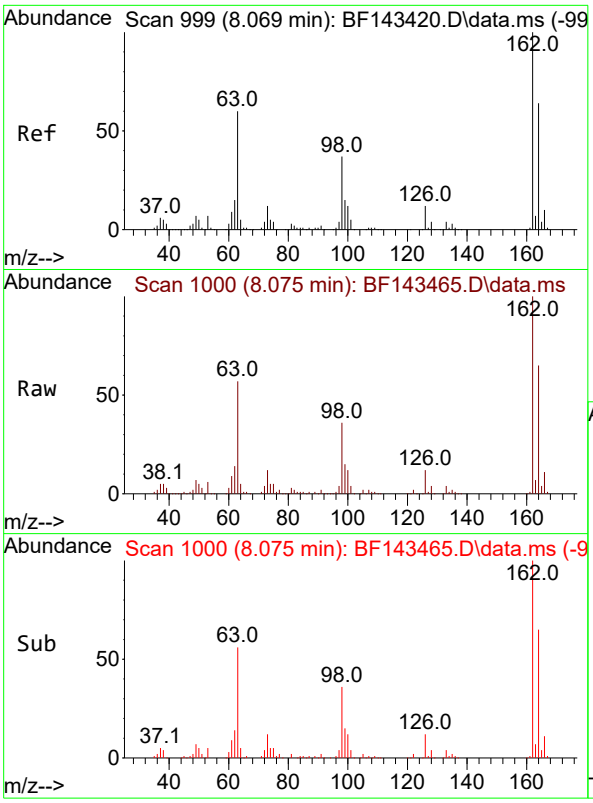


#28
bis(2-Chloroethoxy)methane
Concen: 40.073 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion: 93 Resp: 435876

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.0	39.0
123	11.5	9.5	14.3



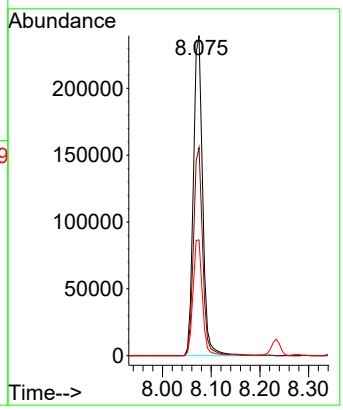


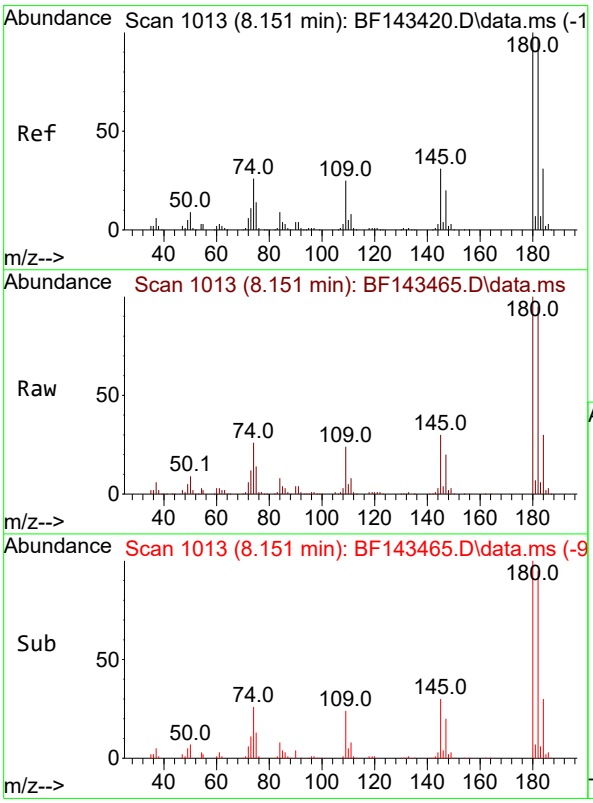
#29
2,4-Dichlorophenol
Concen: 41.452 ng
RT: 8.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 320061

Ion	Ratio	Lower	Upper
162	100		
164	65.0	44.3	84.3
98	36.2	16.9	56.9

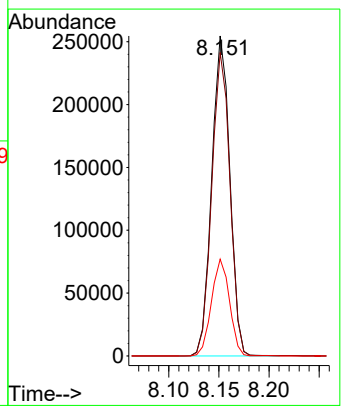


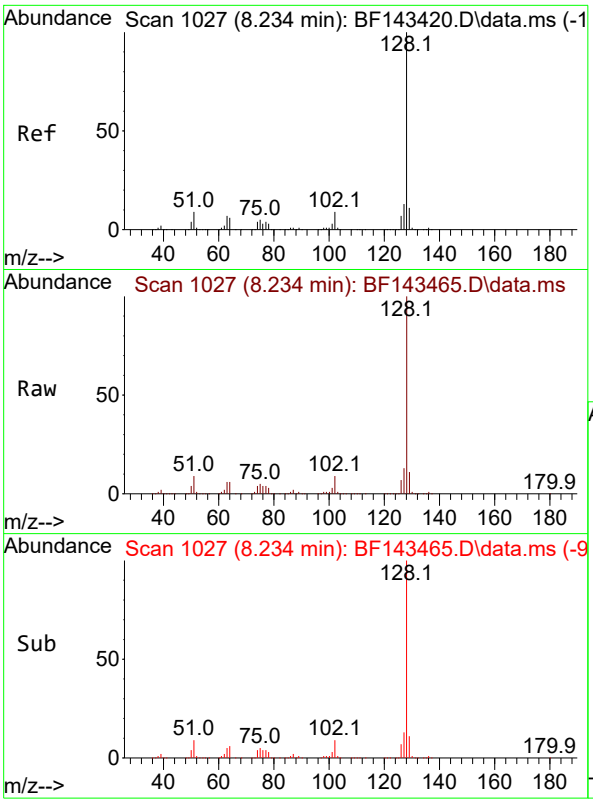


#30
1,2,4-Trichlorobenzene
Concen: 40.374 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:180 Resp: 319413

Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.7	115.1
145	30.2	24.5	36.7



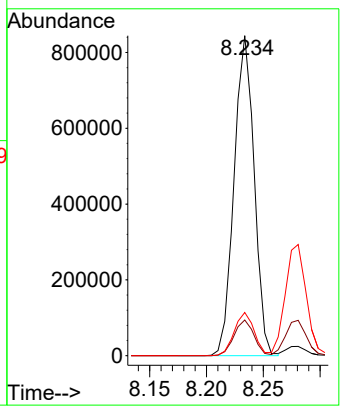


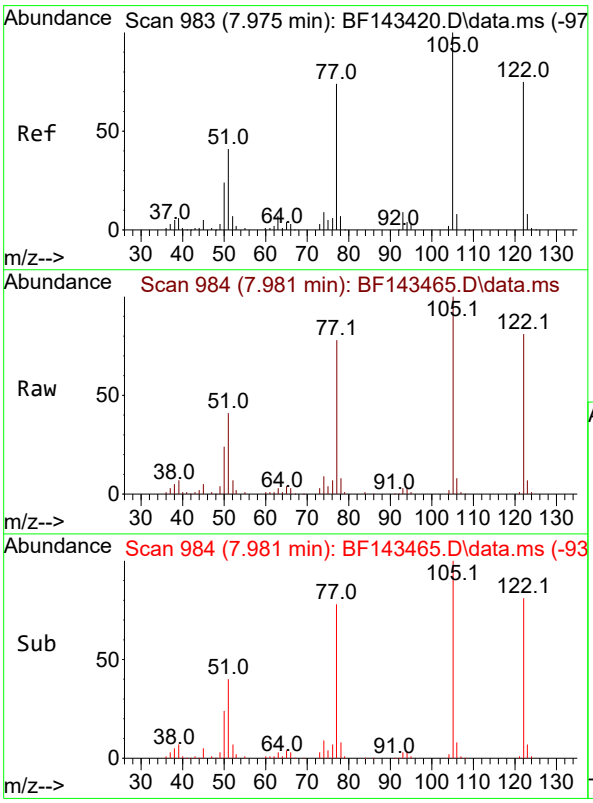
#31
Naphthalene
Concen: 39.822 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:128 Resp: 1037253

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.5	10.6	16.0

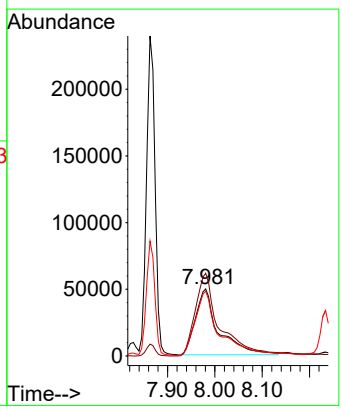


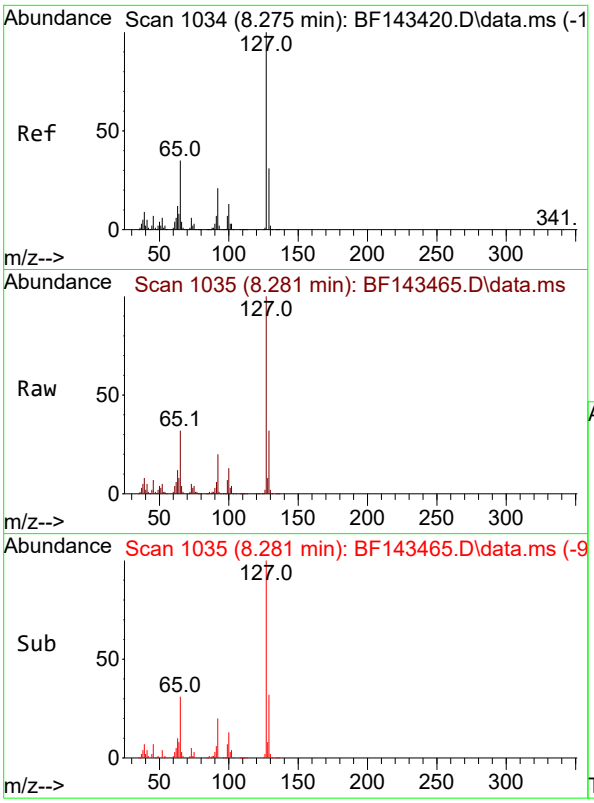


#32
Benzoic acid
Concen: 43.106 ng
RT: 7.981 min Scan# 984
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:122 Resp: 169803

Ion	Ratio	Lower	Upper
122	100		
105	123.2	108.4	148.4
77	96.5	75.9	115.9



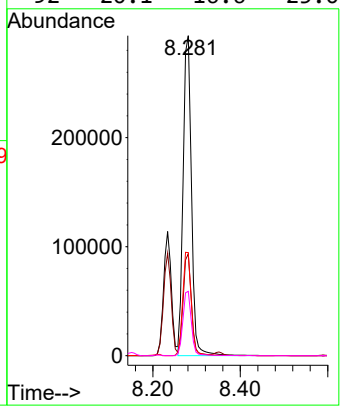


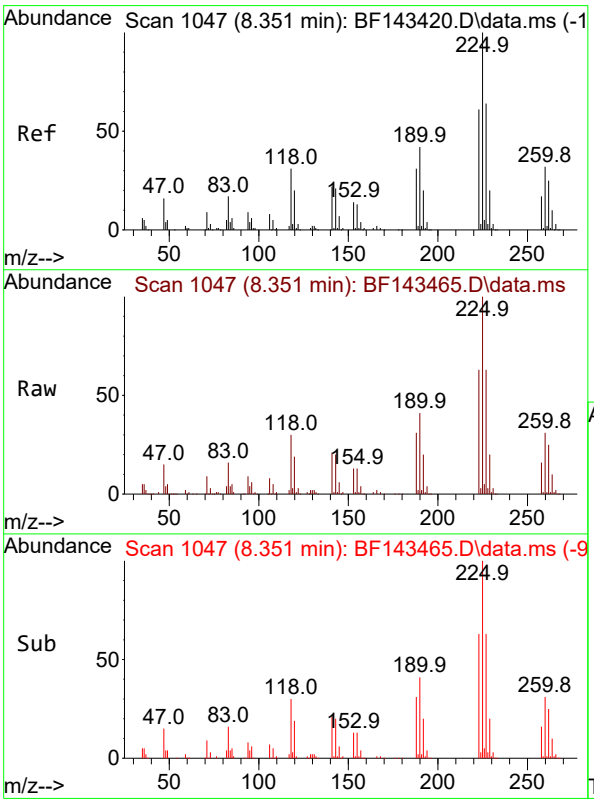
#33
4-Chloroaniline
Concen: 40.872 ng
RT: 8.281 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:127 Resp: 384279

Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.8	38.8
65	32.2	27.2	40.8
92	20.1	16.6	25.0

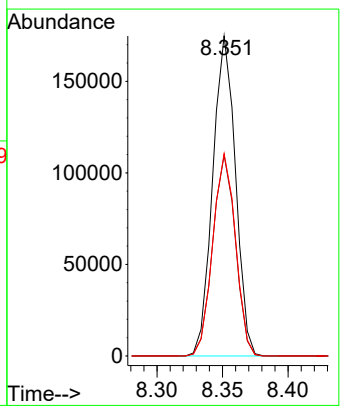


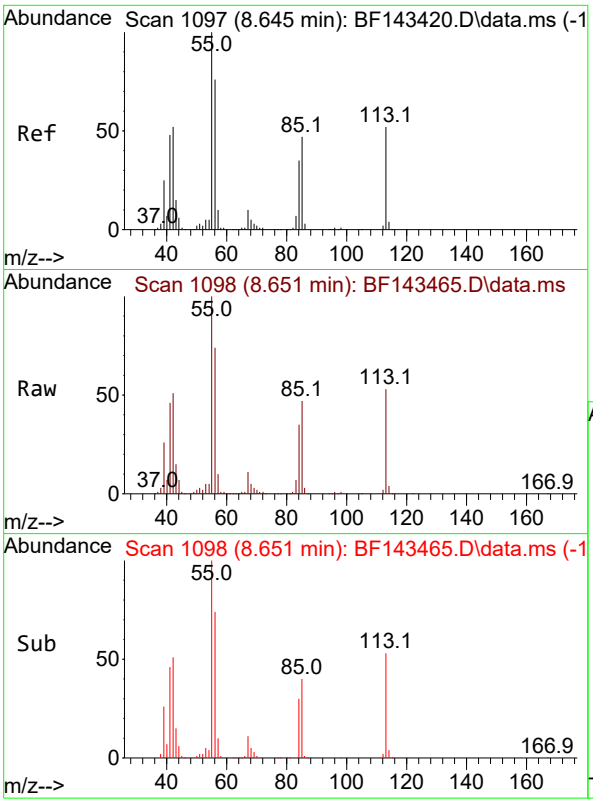


#34
Hexachlorobutadiene
Concen: 41.735 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:225 Resp: 210545

Ion	Ratio	Lower	Upper
225	100		
223	62.7	49.0	73.6
227	63.2	51.1	76.7



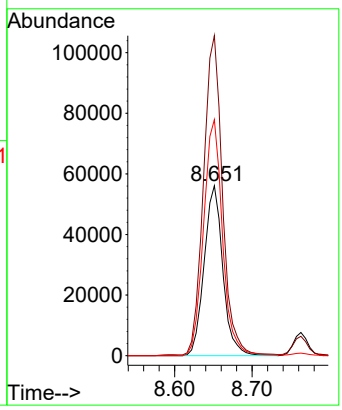


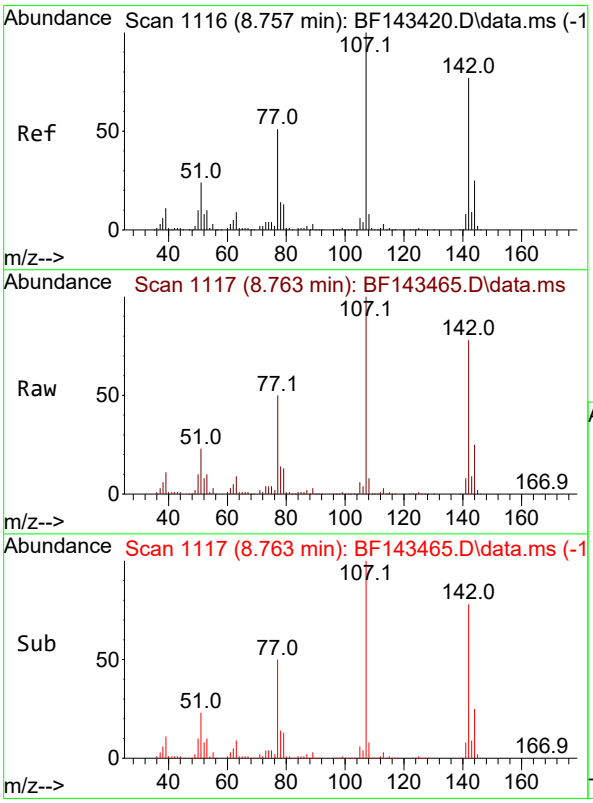
#35
Caprolactam
Concen: 42.156 ng
RT: 8.651 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:113 Resp: 93712

Ion	Ratio	Lower	Upper
113	100		
55	188.3	174.7	214.7
56	138.9	127.0	167.0

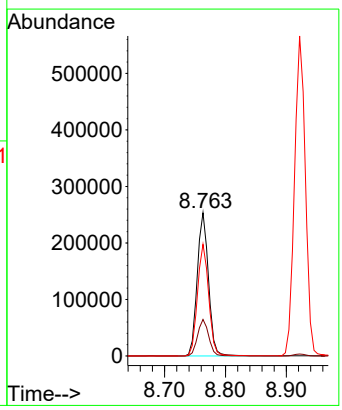


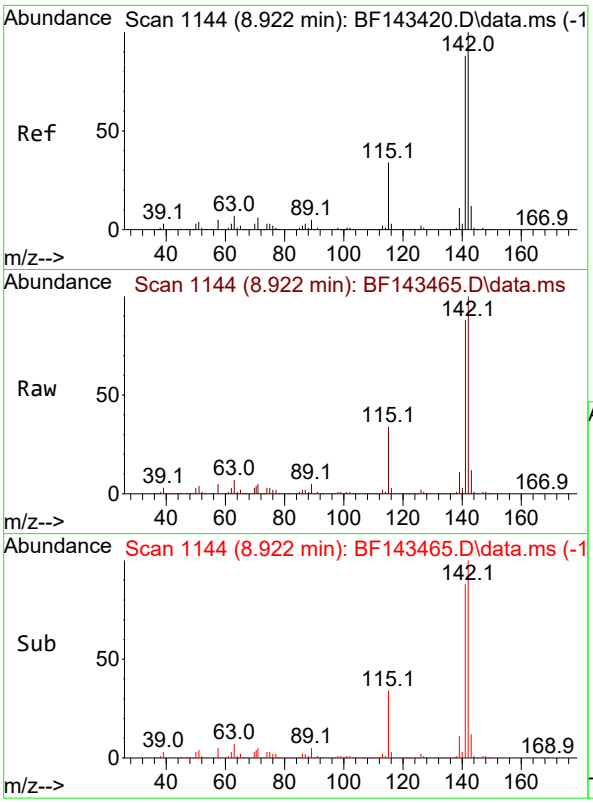


#36
4-Chloro-3-methylphenol
Concen: 41.119 ng
RT: 8.763 min Scan# 1117
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:107 Resp: 326982

Ion	Ratio	Lower	Upper
107	100		
144	25.4	20.2	30.2
142	78.0	62.0	93.0



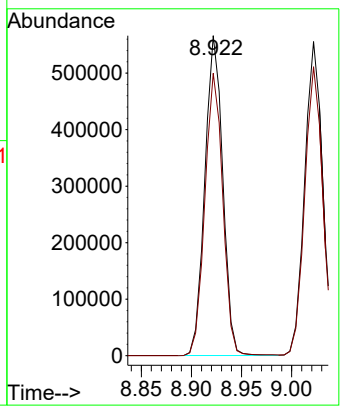


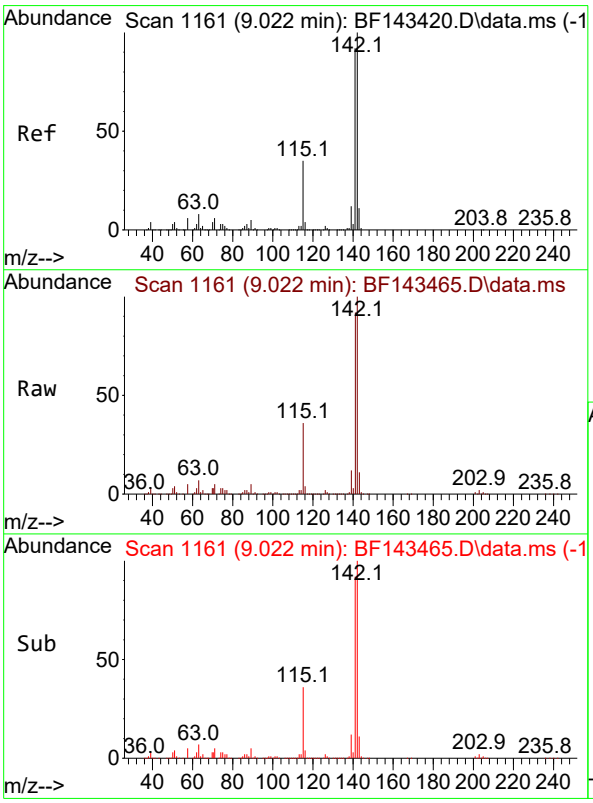
#37
2-Methylnaphthalene
Concen: 40.152 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:142 Resp: 704960

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.3	105.5

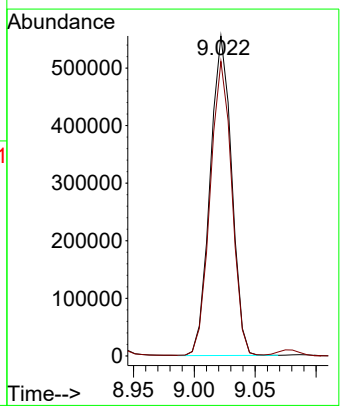


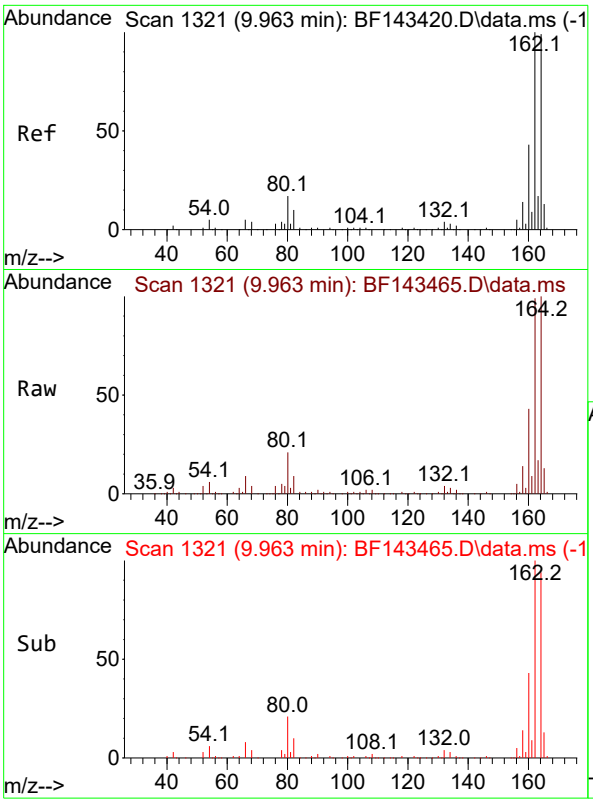


#38
1-Methylnaphthalene
Concen: 40.466 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:142 Resp: 680707

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.8	110.6



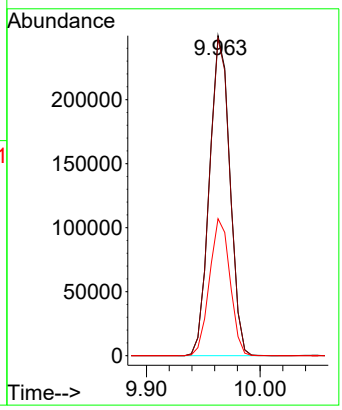


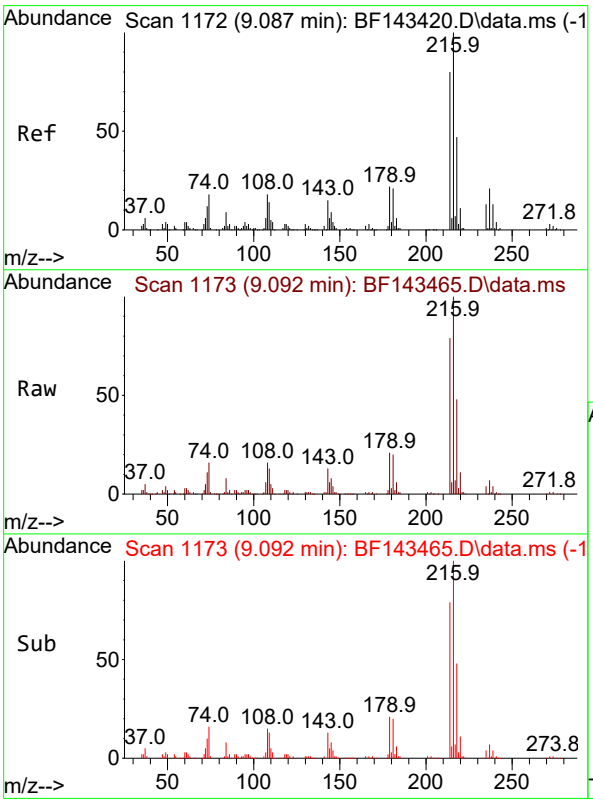
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:164 Resp: 311599

Ion	Ratio	Lower	Upper
164	100		
162	99.1	80.6	121.0
160	42.8	34.6	51.8

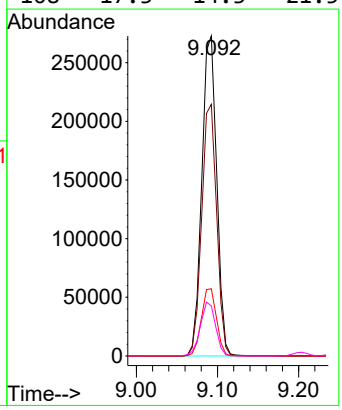


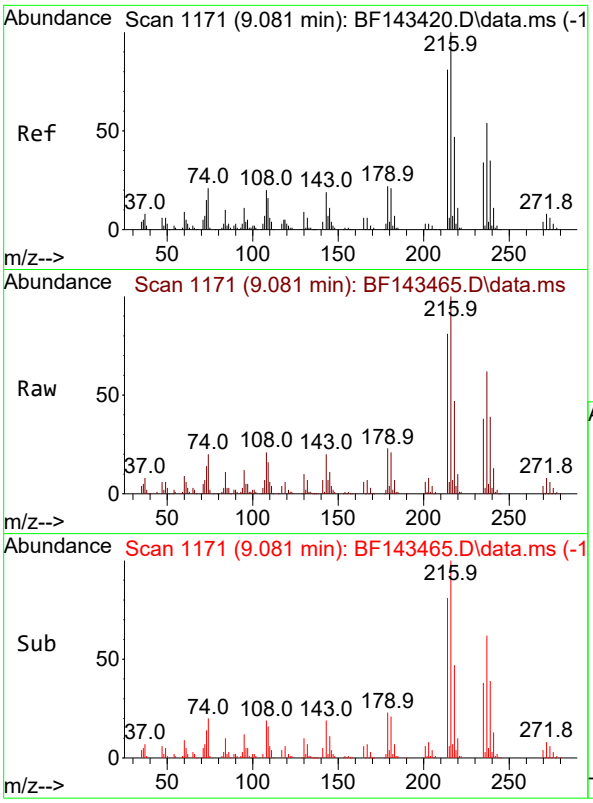


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.945 ng
RT: 9.092 min Scan# 1173
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:216 Resp: 347121

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.7	95.5
179	21.3	17.0	25.4
108	17.3	14.3	21.5



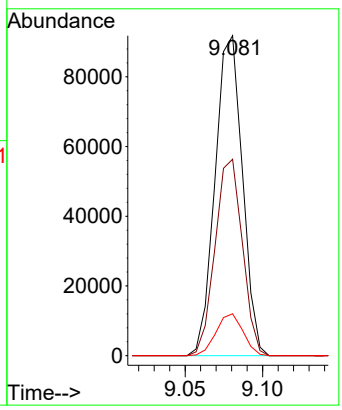


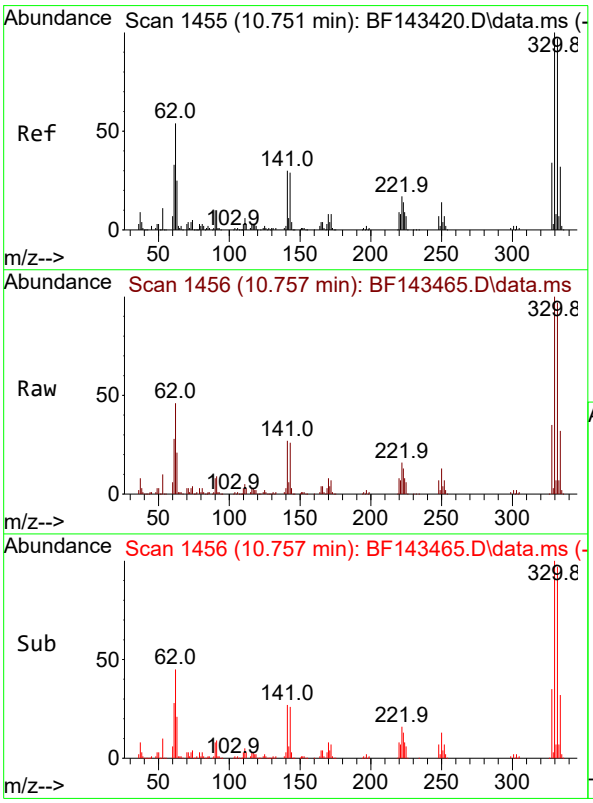
#41
Hexachlorocyclopentadiene
Concen: 39.240 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:237 Resp: 112754

Ion	Ratio	Lower	Upper
237	100		
235	61.4	41.6	81.6
272	13.1	0.0	33.8

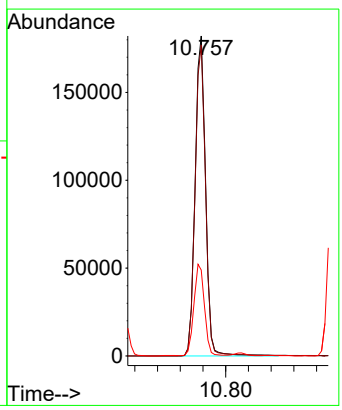


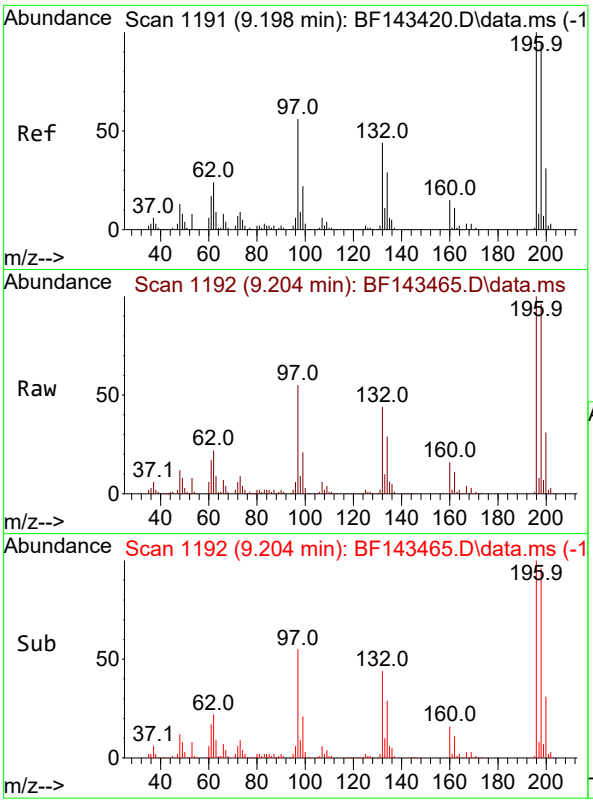


#42
2,4,6-Tribromophenol
Concen: 84.273 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:330 Resp: 233729

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.4	116.2
141	28.7	24.1	36.1



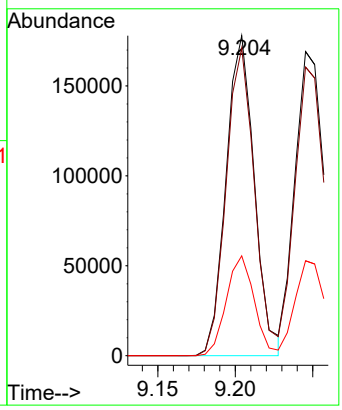


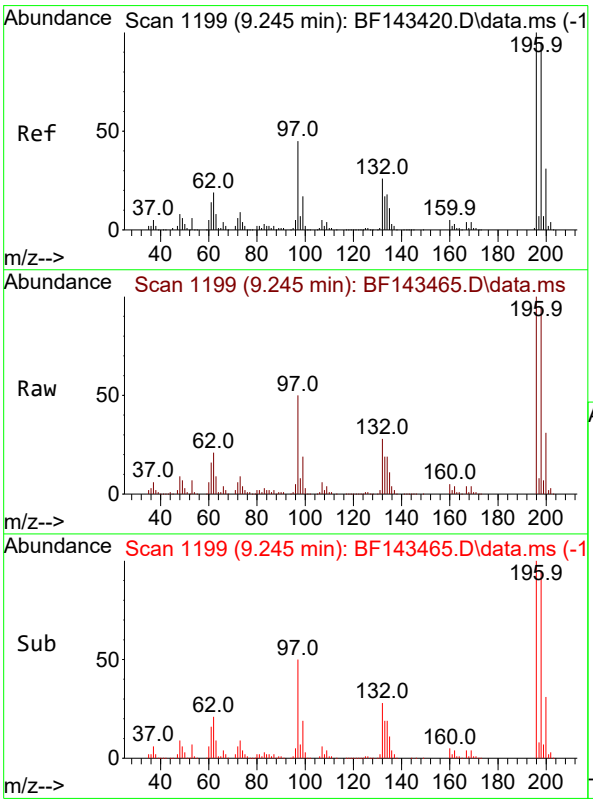
#43
2,4,6-Trichlorophenol
Concen: 41.701 ng
RT: 9.204 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:196 Resp: 226056

Ion	Ratio	Lower	Upper
196	100		
198	96.2	75.4	113.2
200	31.2	24.7	37.1

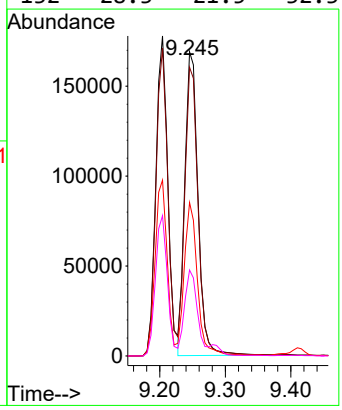


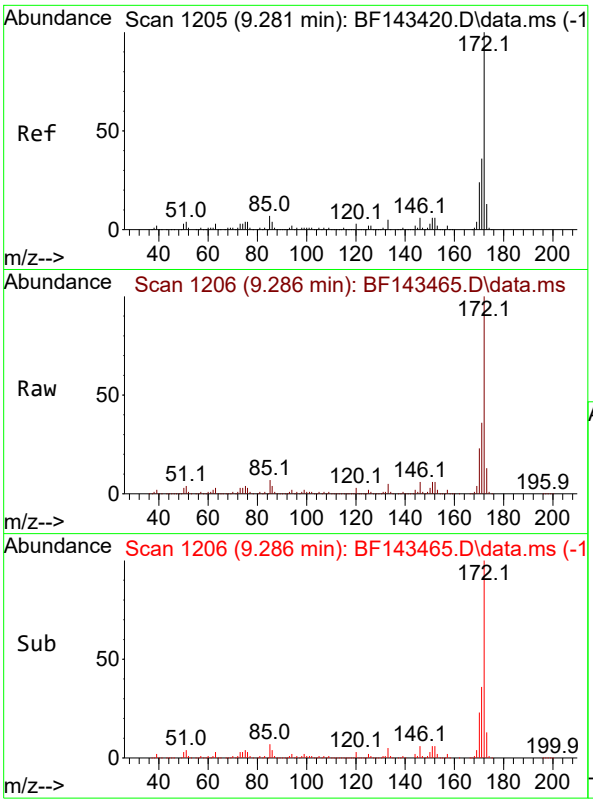


#44
2,4,5-Trichlorophenol
Concen: 40.664 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:196 Resp: 236288

Ion	Ratio	Lower	Upper
196	100		
198	94.9	76.2	114.4
97	50.5	36.6	55.0
132	28.3	21.5	32.3



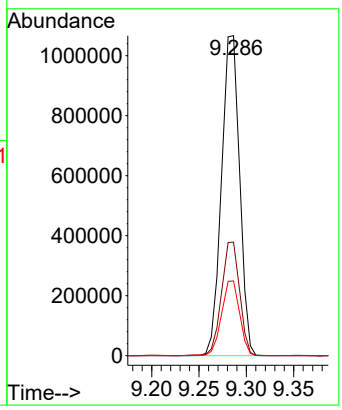


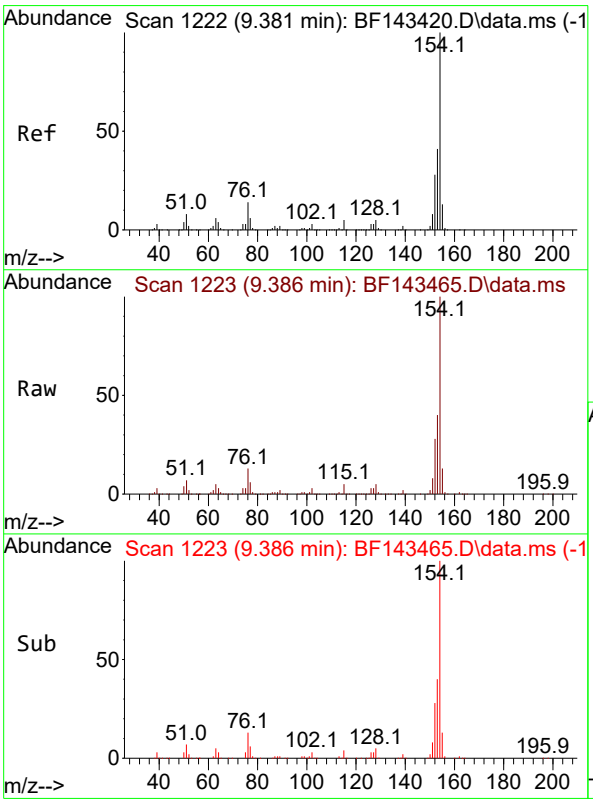
#45
2-Fluorobiphenyl
Concen: 76.929 ng
RT: 9.286 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:172 Resp: 1425158

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.7	43.1
170	23.4	19.0	28.6

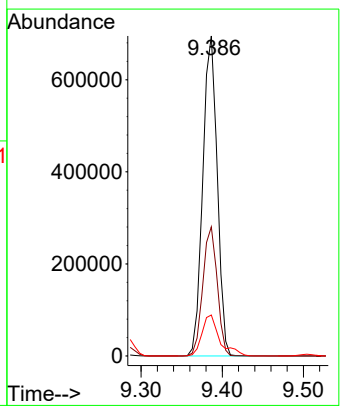


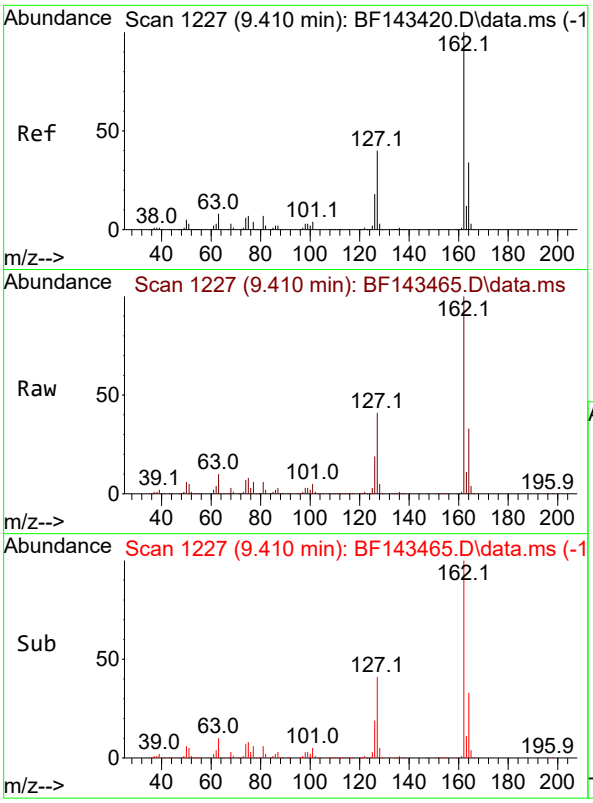


#46
1,1'-Biphenyl
Concen: 39.184 ng
RT: 9.386 min Scan# 1223
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:154 Resp: 857883

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.6	60.6
76	12.8	0.0	33.8



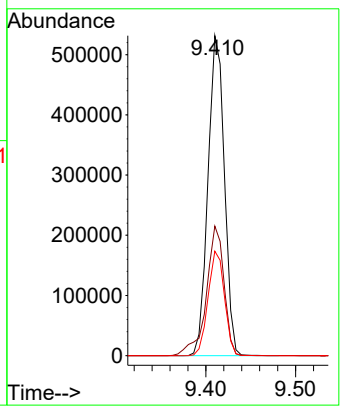


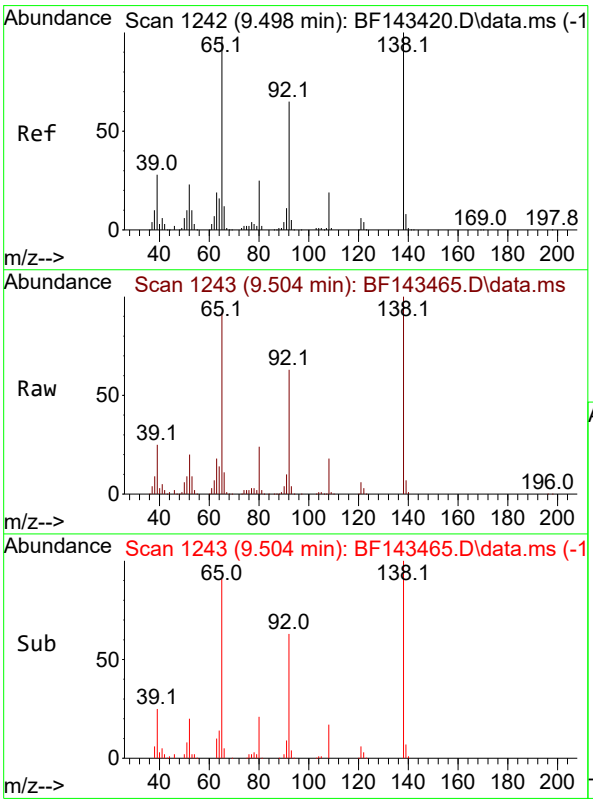
#47
2-Chloronaphthalene
Concen: 39.120 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 676063

Ion	Ratio	Lower	Upper
162	100		
127	40.5	32.3	48.5
164	32.6	26.9	40.3

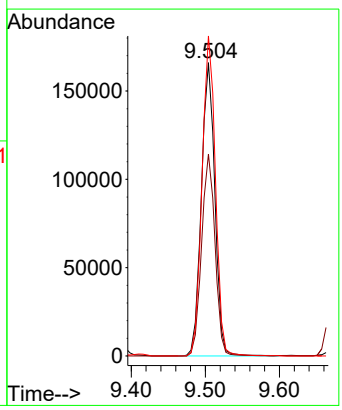


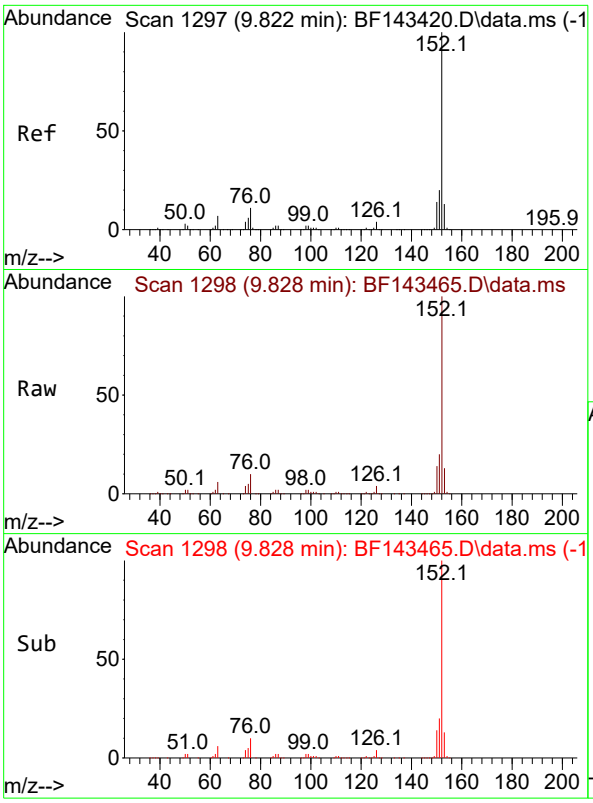


#48
2-Nitroaniline
Concen: 40.861 ng
RT: 9.504 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion: 65 Resp: 210143

Ion	Ratio	Lower	Upper
65	100		
92	68.8	52.9	79.3
138	109.1	81.3	121.9



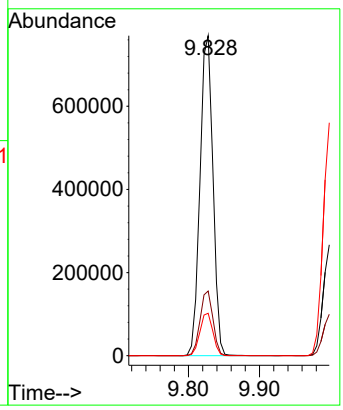


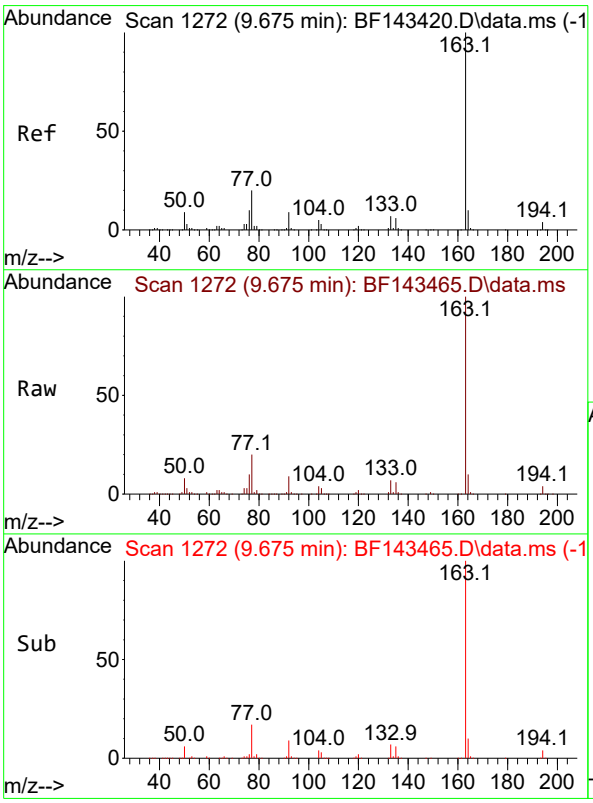
#49
Acenaphthylene
Concen: 39.202 ng
RT: 9.828 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 978163

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.0	24.0
153	13.3	10.8	16.2

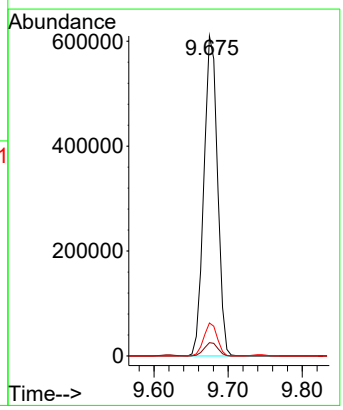


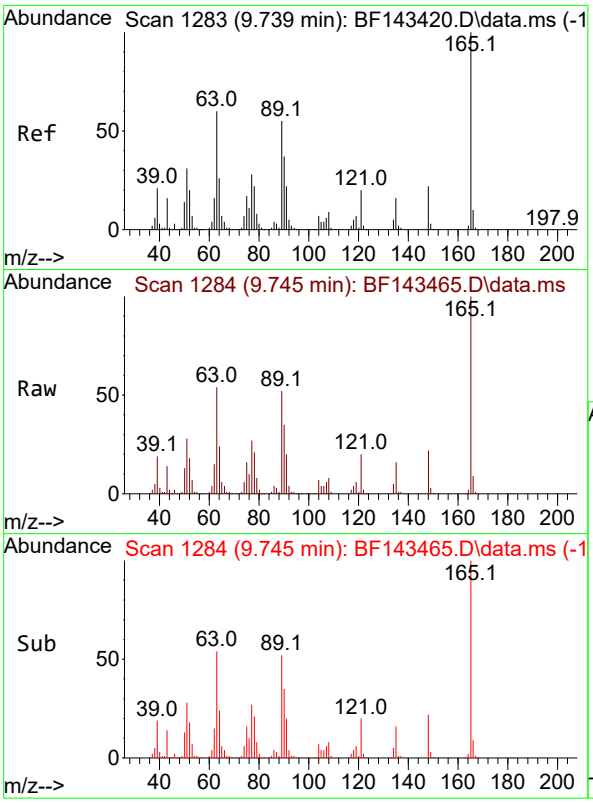


#50
Dimethylphthalate
Concen: 40.126 ng
RT: 9.675 min Scan# 1272
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:163 Resp: 779522

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.3	8.2	12.4



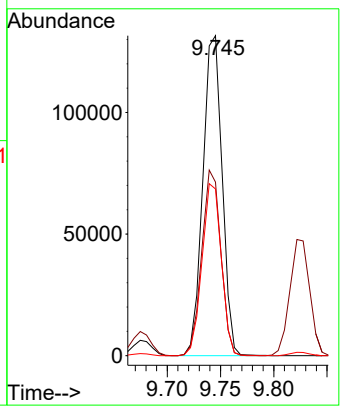


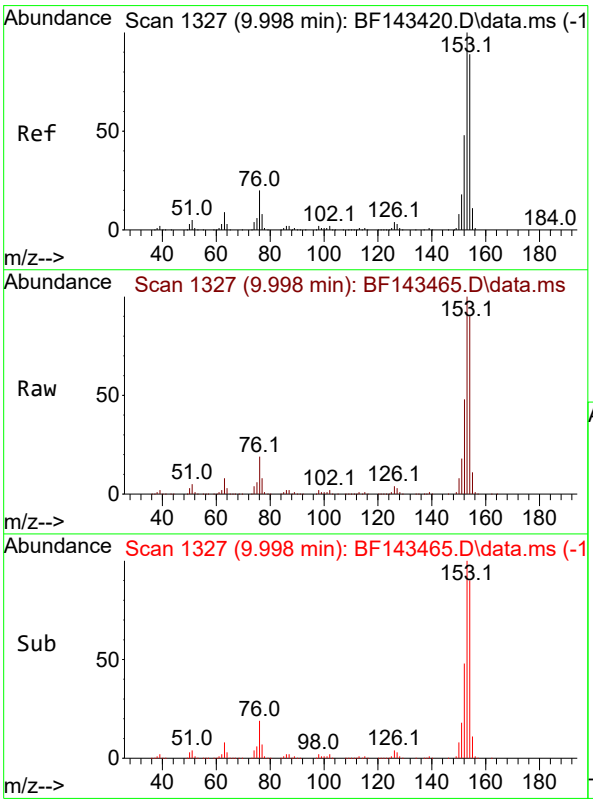
#51
2,6-Dinitrotoluene
Concen: 43.358 ng
RT: 9.745 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 166046

Ion	Ratio	Lower	Upper
165	100		
63	54.3	48.2	72.2
89	52.1	44.2	66.2

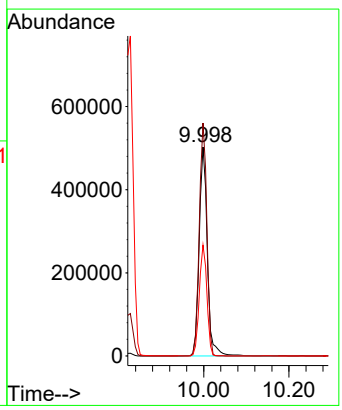


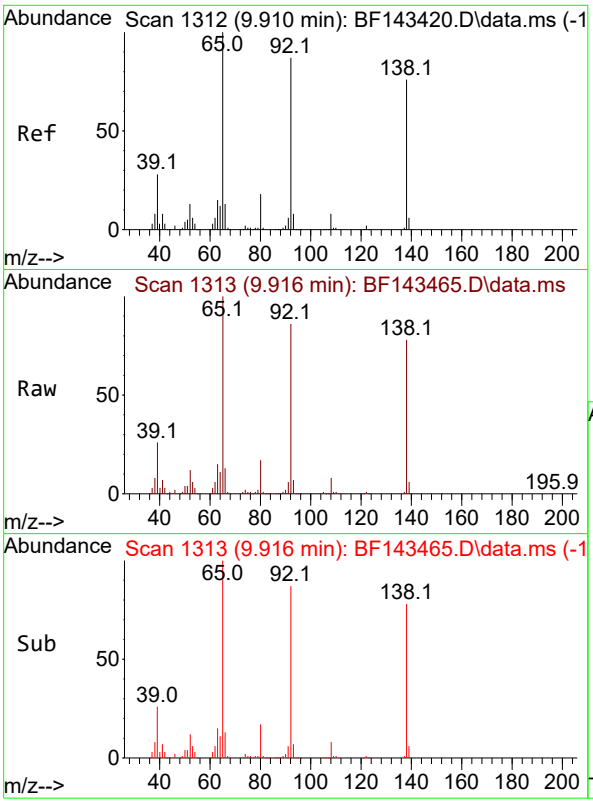


#52
Acenaphthene
Concen: 39.626 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:154 Resp: 665011

Ion	Ratio	Lower	Upper
154	100		
153	111.5	89.5	134.3
152	53.0	42.6	64.0



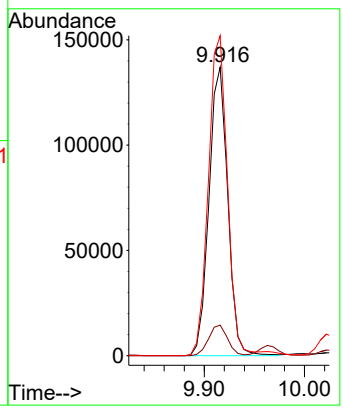


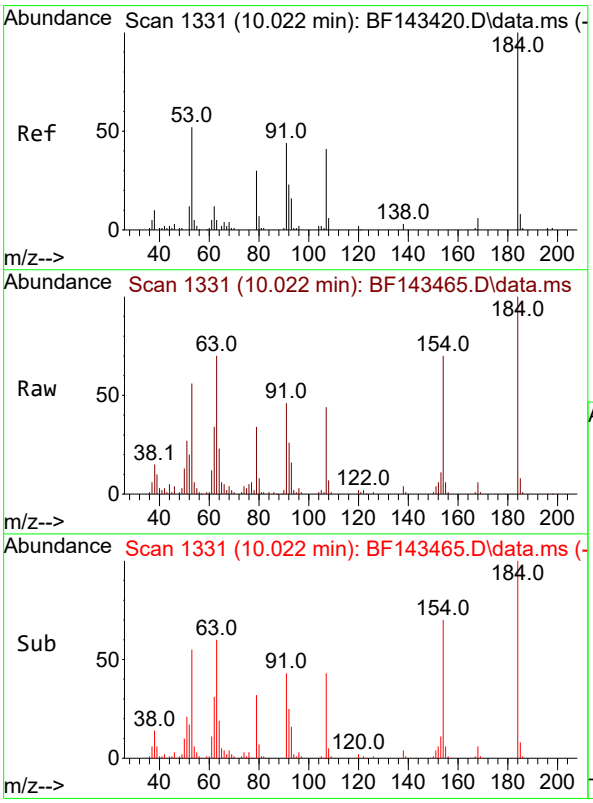
#53
3-Nitroaniline
Concen: 41.903 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:138 Resp: 178756

Ion	Ratio	Lower	Upper
138	100		
108	10.6	8.7	13.1
92	110.9	91.4	137.2

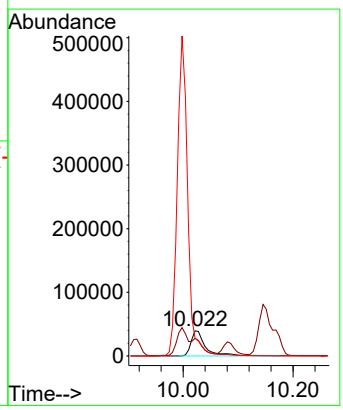


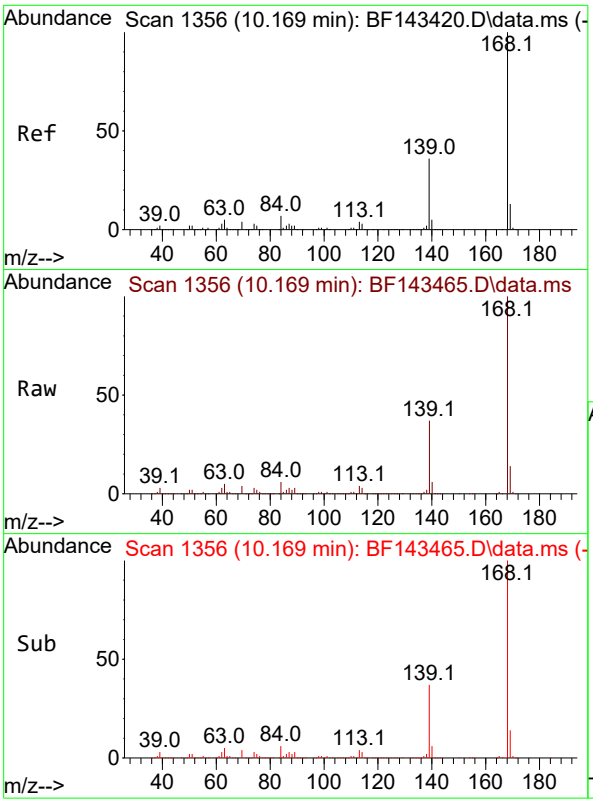


#54
2,4-Dinitrophenol
Concen: 43.488 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:184 Resp: 72372

Ion	Ratio	Lower	Upper
184	100		
63	70.0	53.2	79.8
154	69.9	51.3	76.9



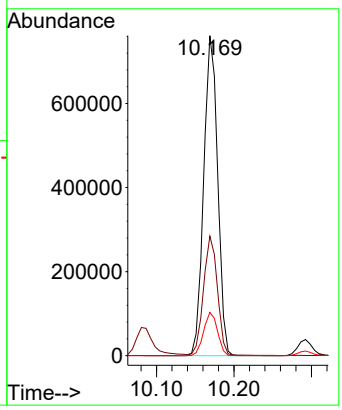


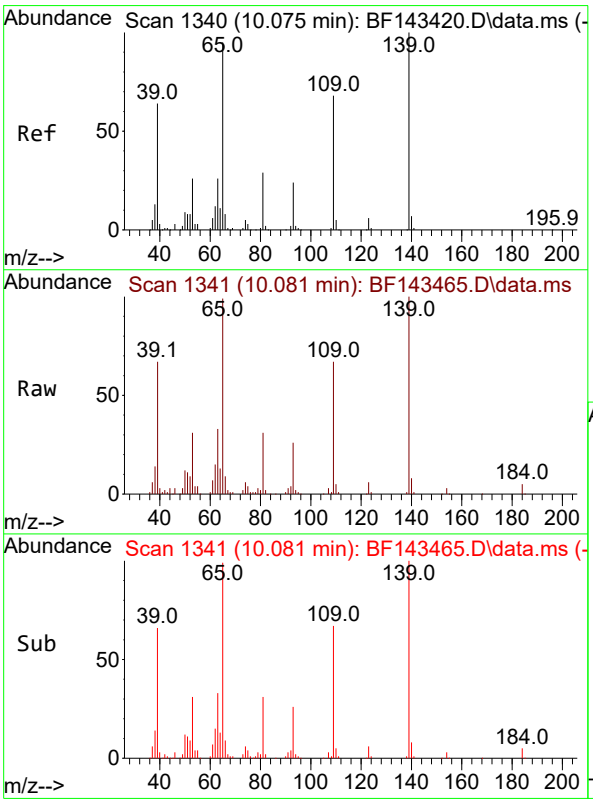
#55
Dibenzofuran
Concen: 39.251 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:168 Resp: 950232

Ion	Ratio	Lower	Upper
168	100		
139	37.3	29.3	43.9
169	13.6	10.8	16.2

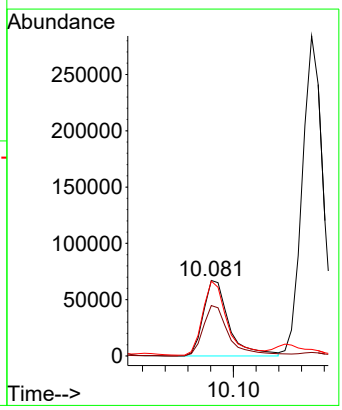


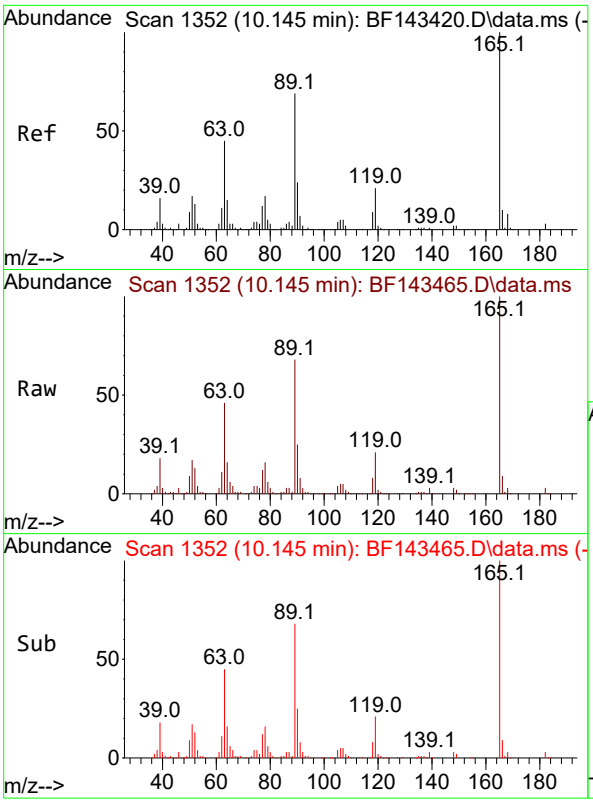


#56
4-Nitrophenol
Concen: 39.083 ng
RT: 10.081 min Scan# 1341
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:139 Resp: 104819

Ion	Ratio	Lower	Upper
139	100		
109	66.7	47.7	87.7
65	99.2	76.4	116.4



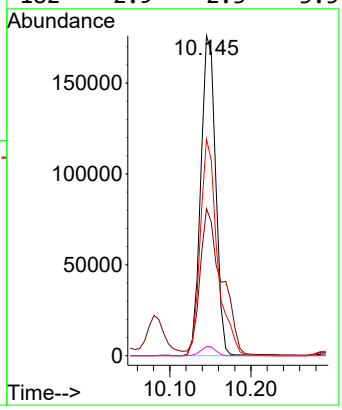


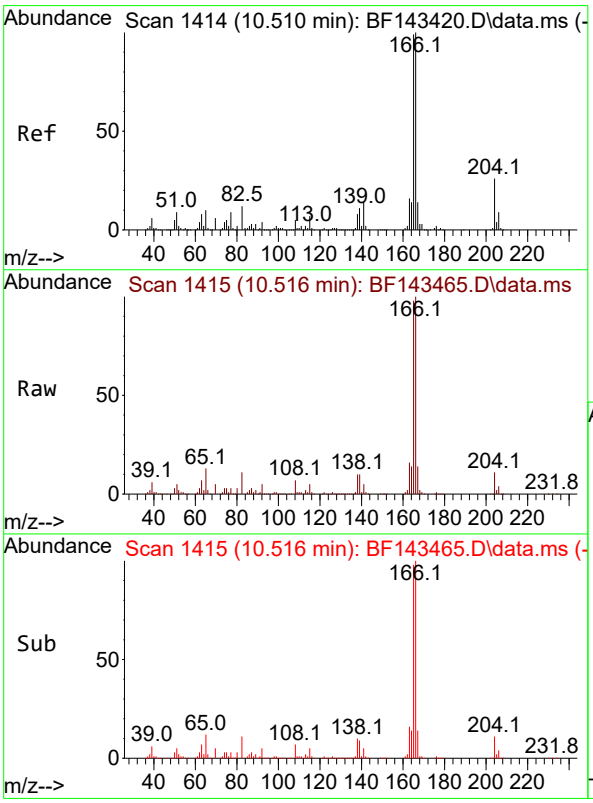
#57
2,4-Dinitrotoluene
Concen: 43.798 ng
RT: 10.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 223624

Ion	Ratio	Lower	Upper
165	100		
63	46.0	37.0	55.6
89	67.7	55.4	83.0
182	2.9	2.3	3.5

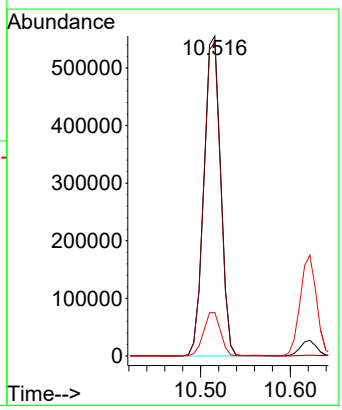


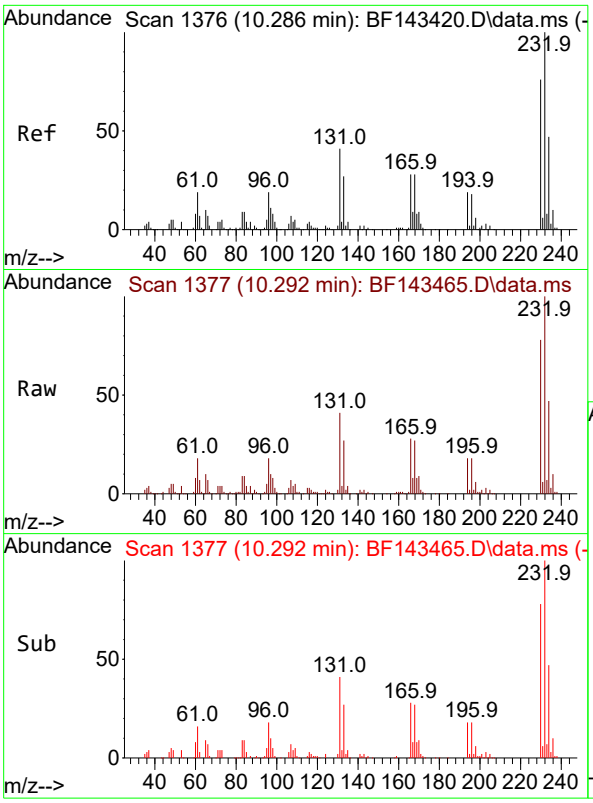


#58
Fluorene
Concen: 38.624 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:166 Resp: 718356

Ion	Ratio	Lower	Upper
166	100		
165	98.0	79.0	118.6
167	13.5	10.9	16.3



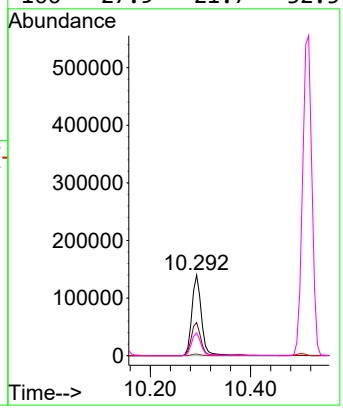


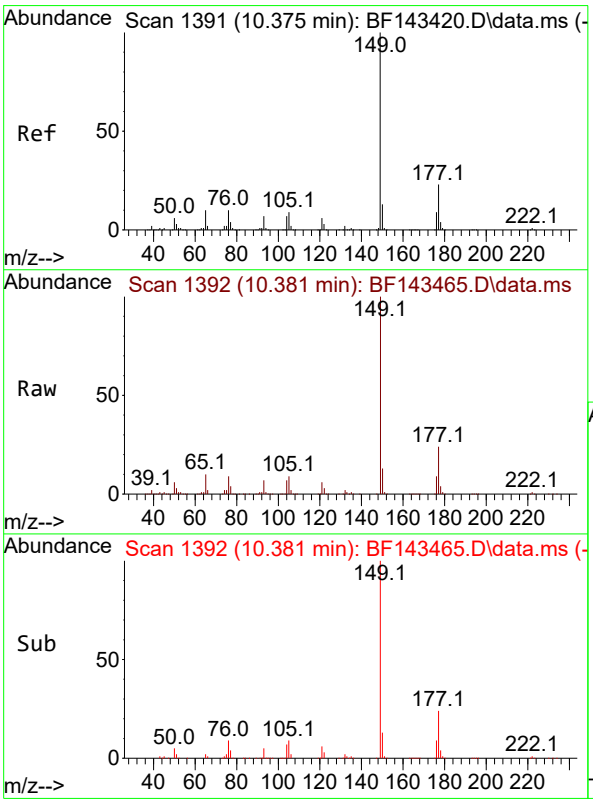
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.605 ng
RT: 10.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:232 Resp: 187402

Ion	Ratio	Lower	Upper
232	100		
131	40.8	32.0	48.0
130	2.0	1.7	2.5
166	27.9	21.7	32.5

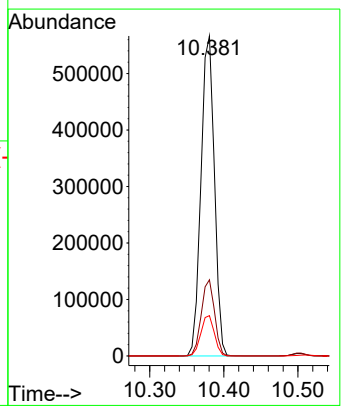


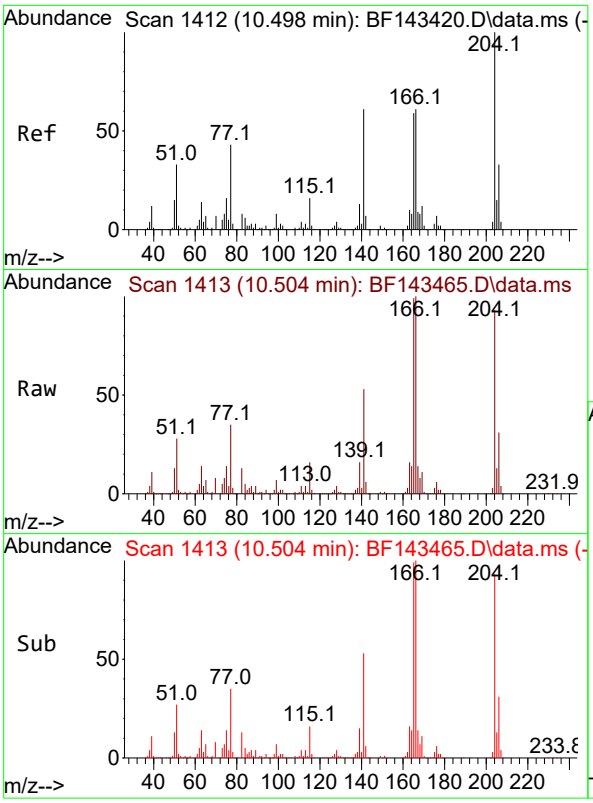


#60
Diethylphthalate
Concen: 39.720 ng
RT: 10.381 min Scan# 1392
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:149 Resp: 713068

Ion	Ratio	Lower	Upper
149	100		
177	23.8	18.2	27.4
150	12.6	10.1	15.1



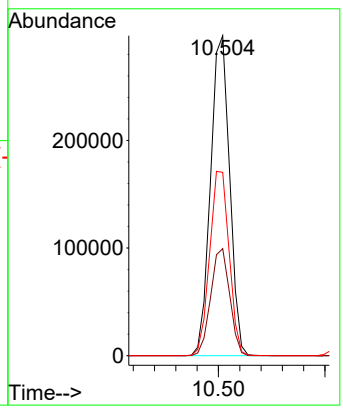


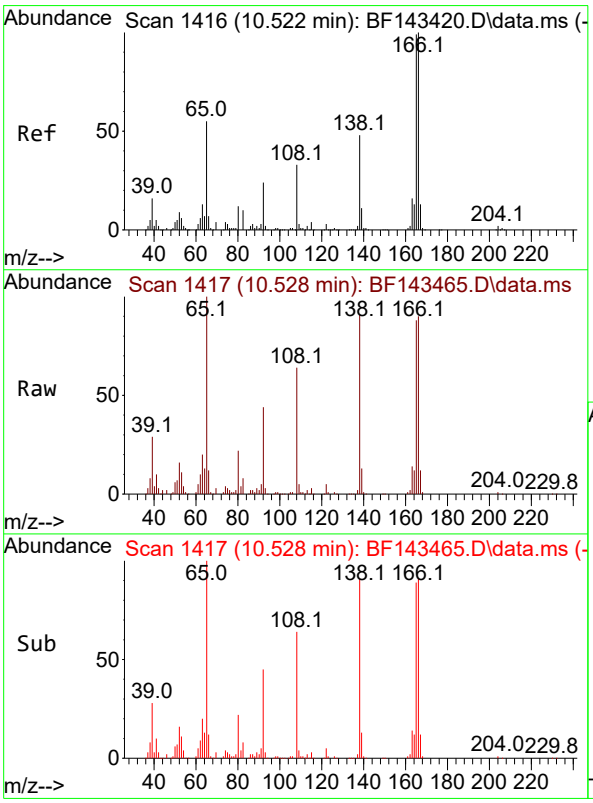
#61
4-Chlorophenyl-phenylether
Concen: 40.274 ng
RT: 10.504 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:204 Resp: 370327

Ion	Ratio	Lower	Upper
204	100		
206	33.4	26.5	39.7
141	57.3	49.0	73.4

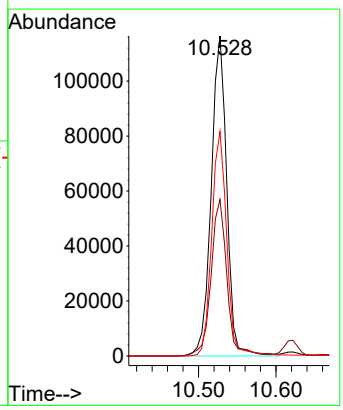


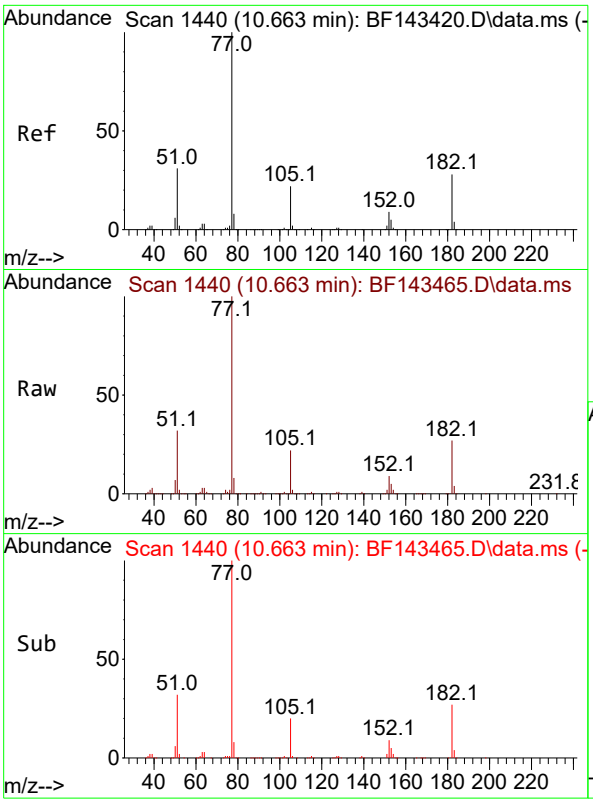


#62
4-Nitroaniline
Concen: 40.677 ng
RT: 10.528 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:138 Resp: 162281

Ion	Ratio	Lower	Upper
138	100		
92	48.9	29.4	69.4
108	70.2	48.6	88.6



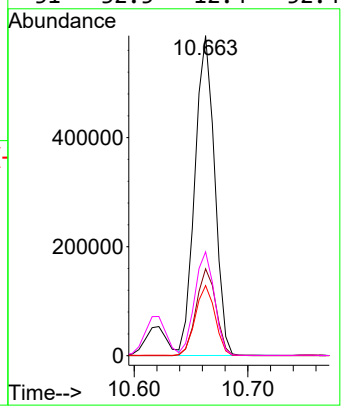


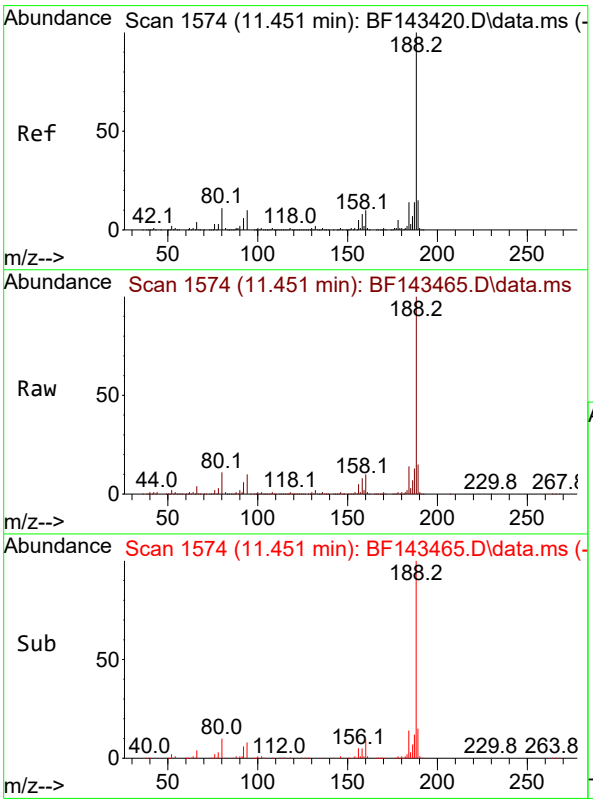
#63
Azobenzene
Concen: 38.977 ng
RT: 10.663 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 707214

Ion	Ratio	Lower	Upper
77	100		
182	27.2	7.4	47.4
105	21.9	1.7	41.7
51	32.5	12.4	52.4

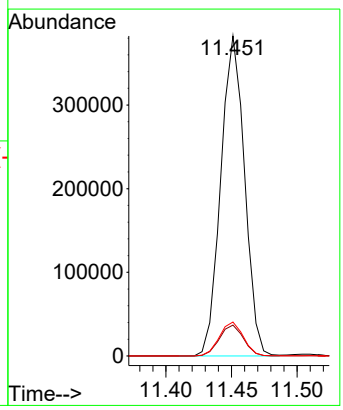


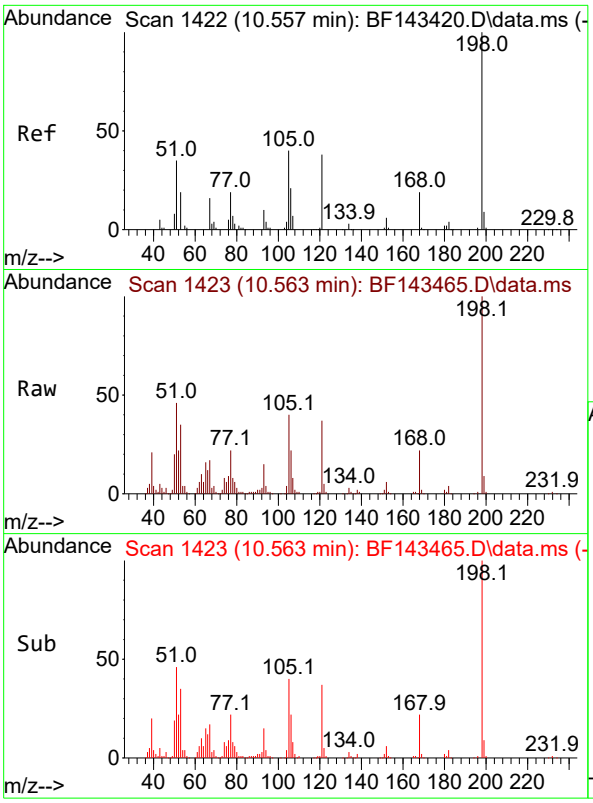


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:188 Resp: 482835

Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.0	12.0
80	10.6	8.6	12.8



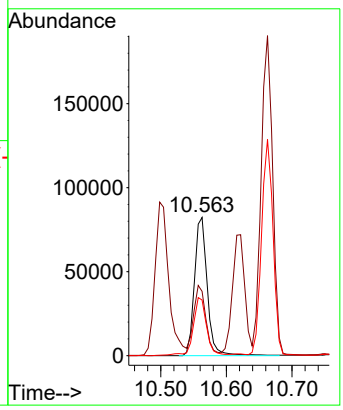


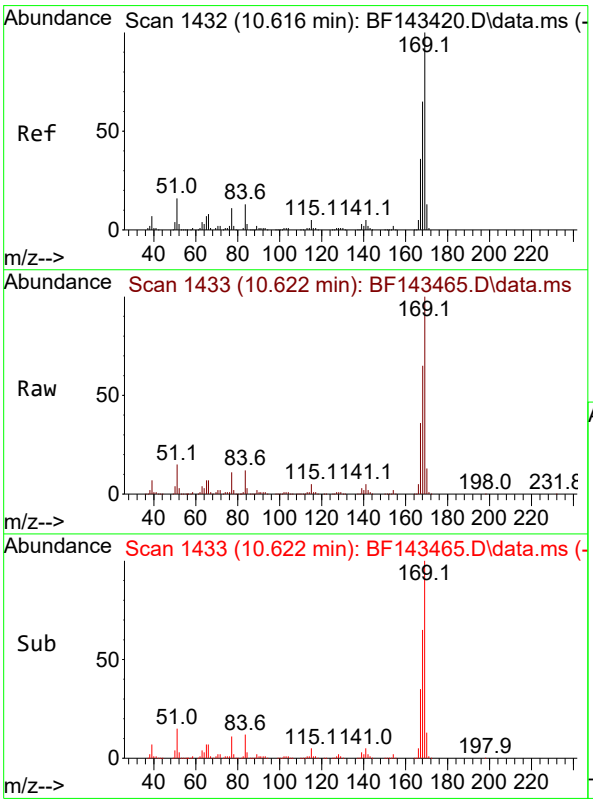
#65
4,6-Dinitro-2-methylphenol
Concen: 45.026 ng
RT: 10.563 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:198 Resp: 112171

Ion	Ratio	Lower	Upper
198	100		
51	46.5	31.2	71.2
105	40.3	21.7	61.7

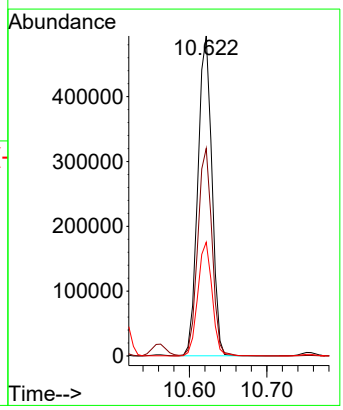


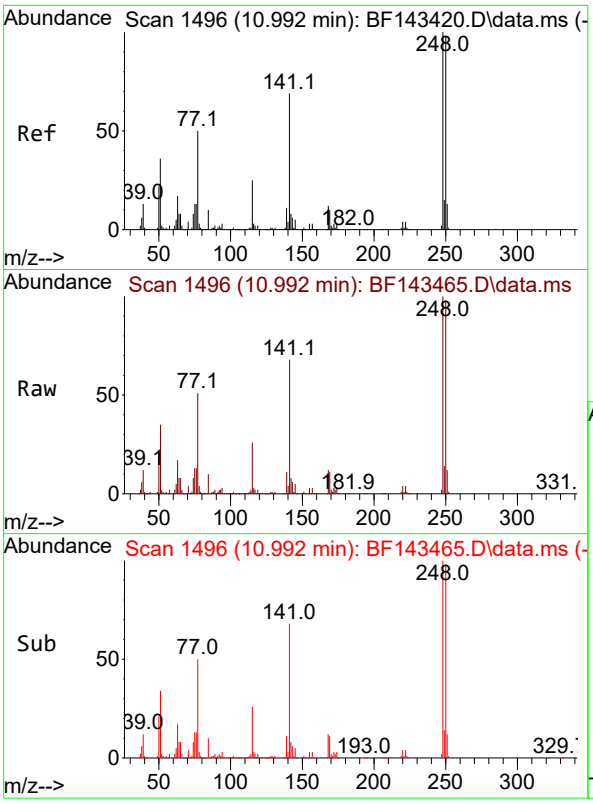


#66
n-Nitrosodiphenylamine
Concen: 39.486 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:169 Resp: 619911

Ion	Ratio	Lower	Upper
169	100		
168	64.9	52.5	78.7
167	35.5	28.6	42.8



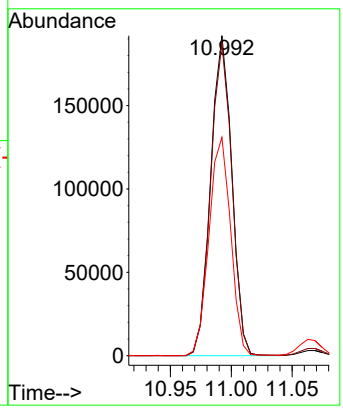


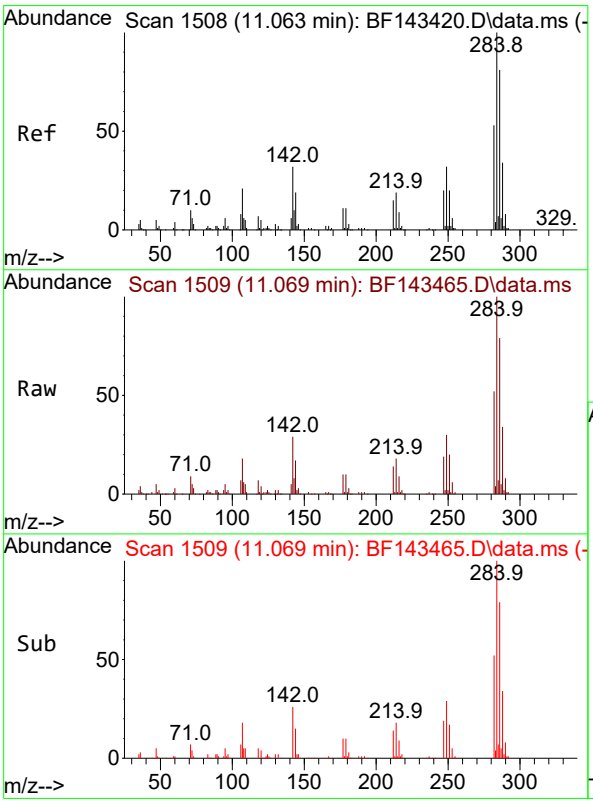
#67
4-Bromophenyl-phenylether
Concen: 40.757 ng
RT: 10.992 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:248 Resp: 232380

Ion	Ratio	Lower	Upper
248	100		
250	97.5	78.6	118.0
141	68.2	54.9	82.3

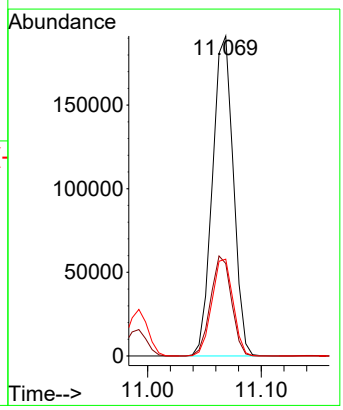


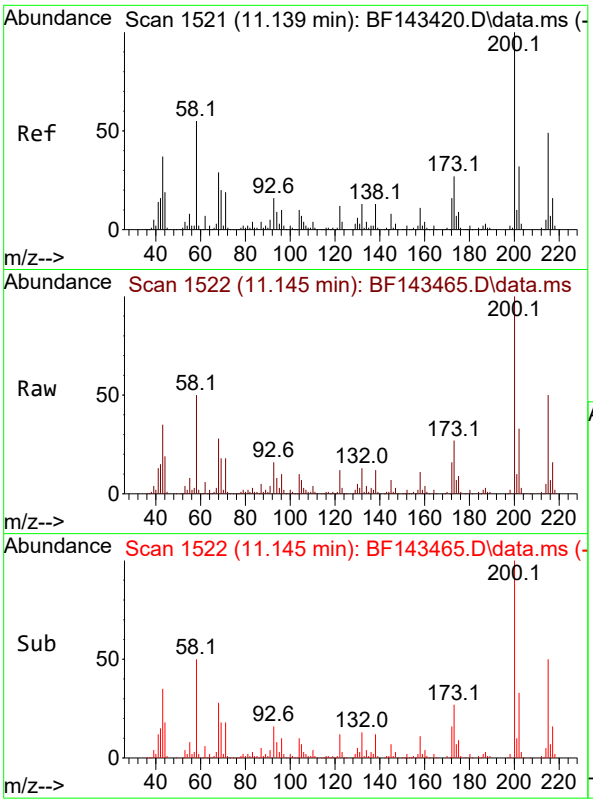


#68
Hexachlorobenzene
Concen: 40.366 ng
RT: 11.069 min Scan# 1509
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:284 Resp: 244677

Ion	Ratio	Lower	Upper
284	100		
142	28.9	25.4	38.2
249	30.3	25.4	38.0



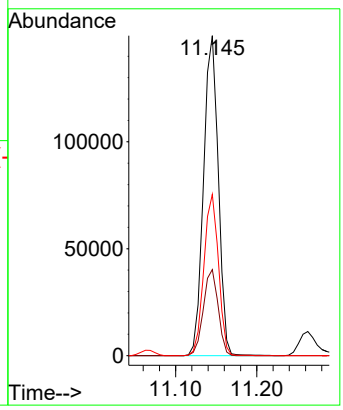


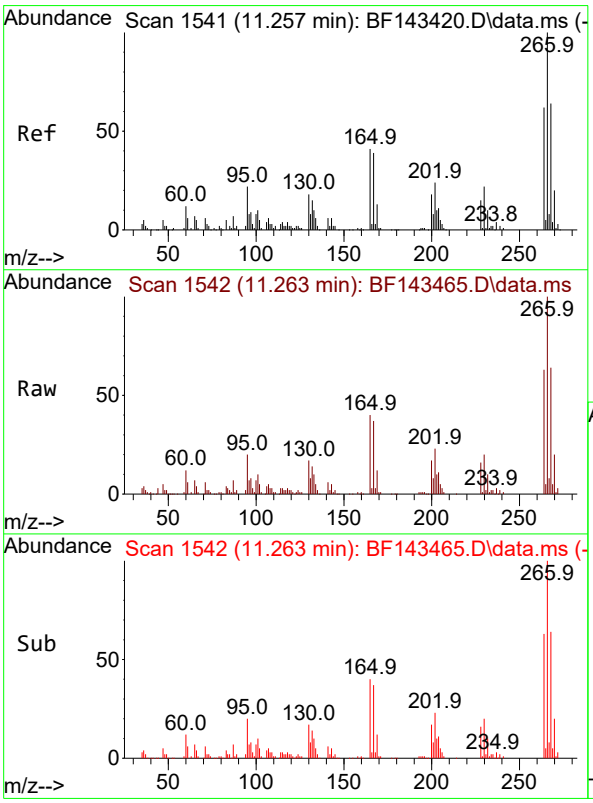
#69
Atrazine
Concen: 41.093 ng
RT: 11.145 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:200 Resp: 188697

Ion	Ratio	Lower	Upper
200	100		
173	26.9	6.6	46.6
215	50.4	29.5	69.5

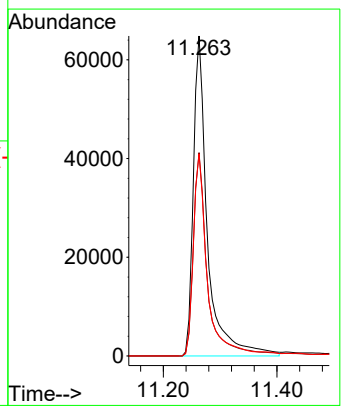


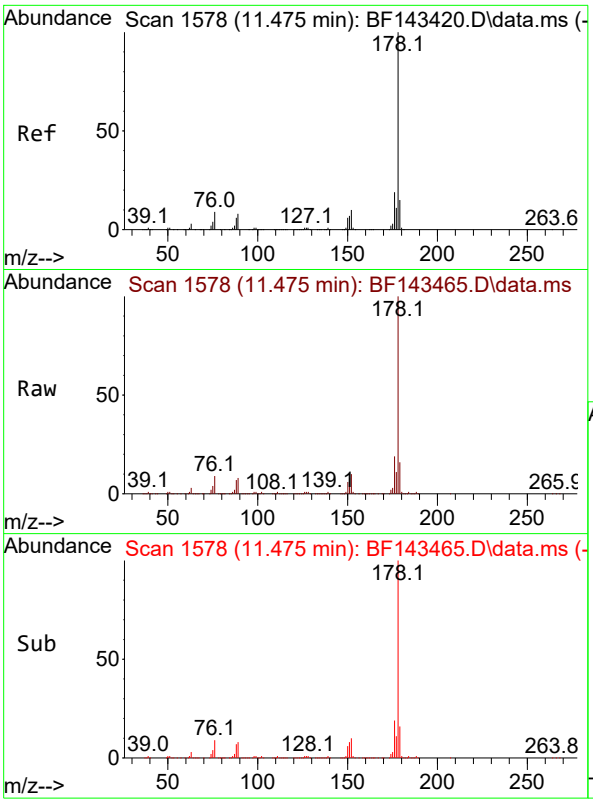


#70
Pentachlorophenol
Concen: 42.261 ng
RT: 11.263 min Scan# 1542
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:266 Resp: 112651

Ion	Ratio	Lower	Upper
266	100		
268	63.6	51.0	76.6
264	63.2	49.3	73.9



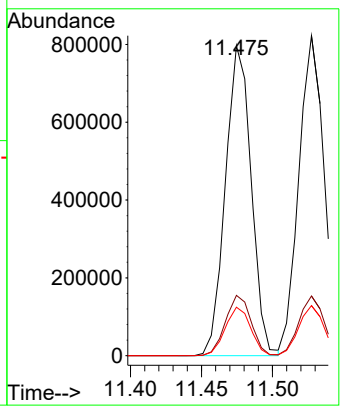


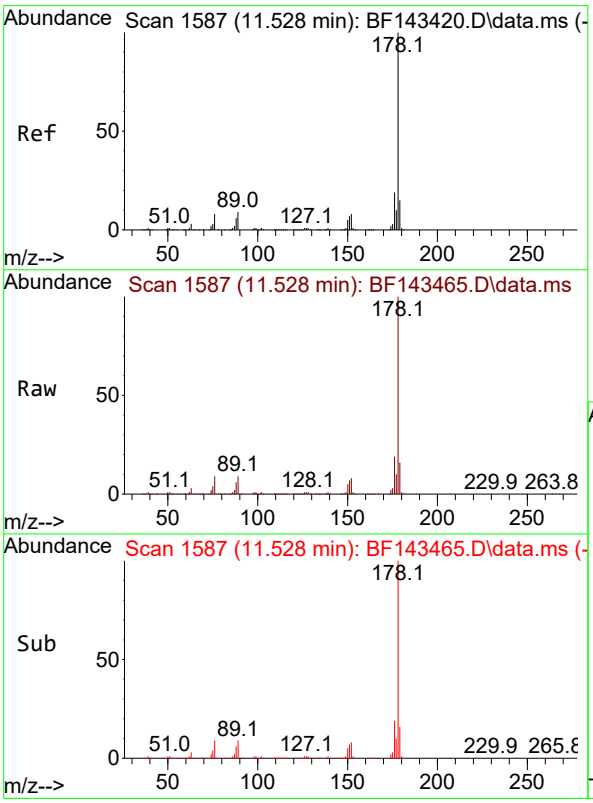
#71
Phenanthrene
Concen: 38.555 ng
RT: 11.475 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:178 Resp: 1008081

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	15.6	12.3	18.5

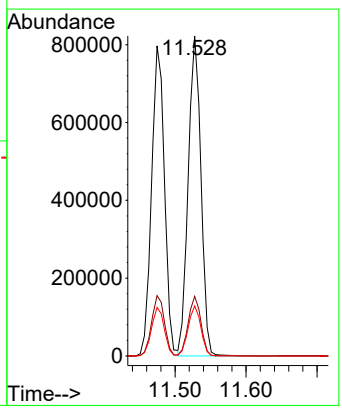


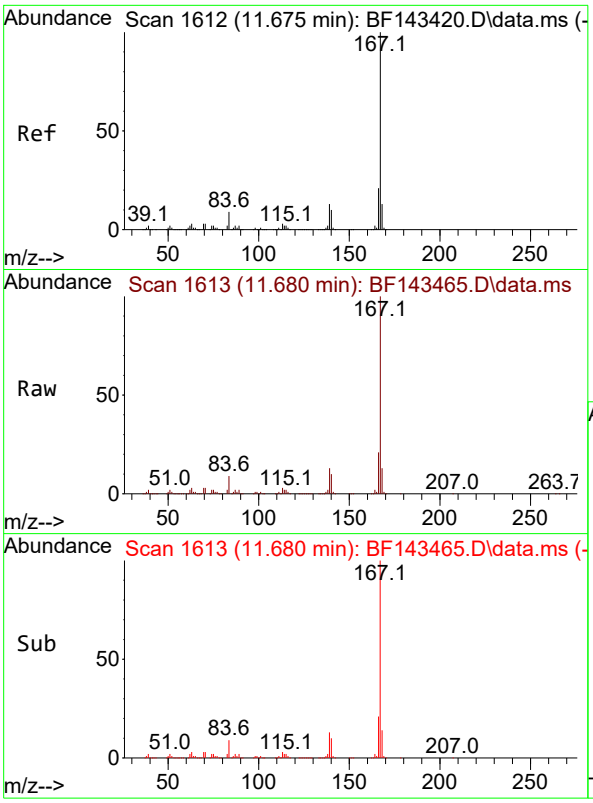


#72
Anthracene
Concen: 38.673 ng
RT: 11.528 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:178 Resp: 1021293

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.8	22.2
179	15.6	12.2	18.4



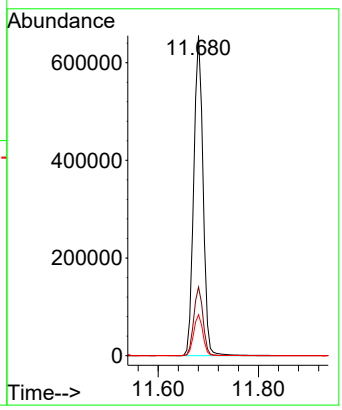


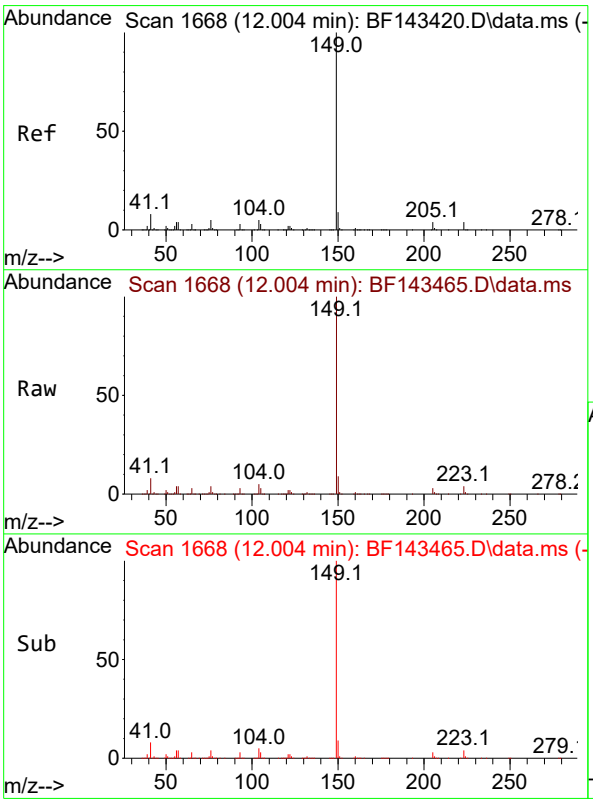
#73
Carbazole
Concen: 37.630 ng
RT: 11.680 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:167 Resp: 840465

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.2	25.8
139	12.8	10.1	15.1

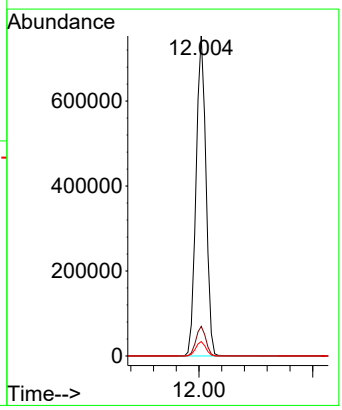


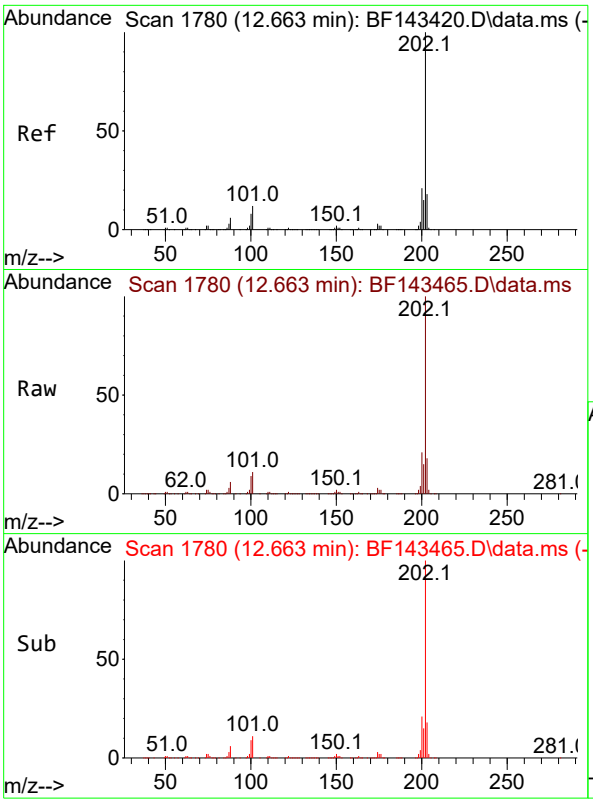


#74
Di-n-butylphthalate
Concen: 41.221 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:149 Resp: 916825

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.5	3.8	5.6



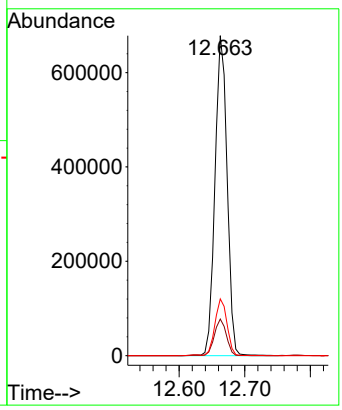


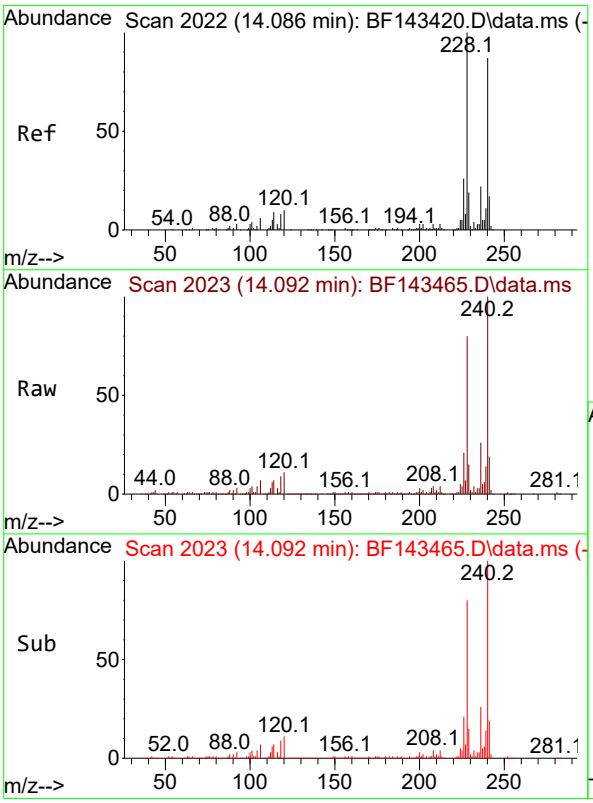
#75
Fluoranthene
Concen: 37.354 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:202 Resp: 867824

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.5
203	17.8	0.0	37.5

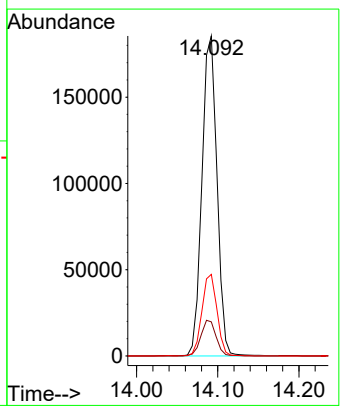


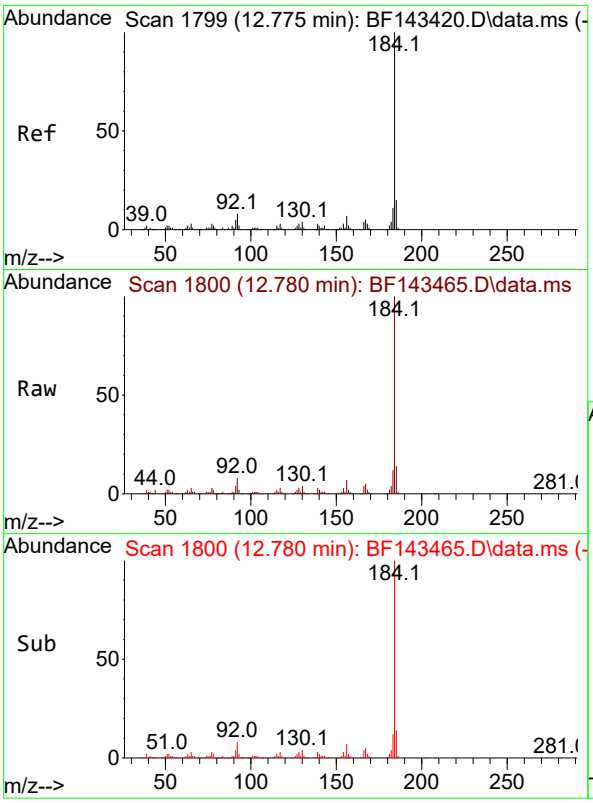


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:240 Resp: 238533

Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.0	13.4
236	25.5	20.2	30.2



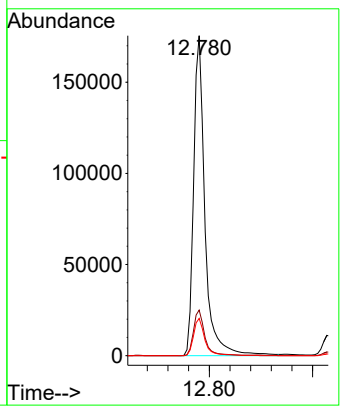


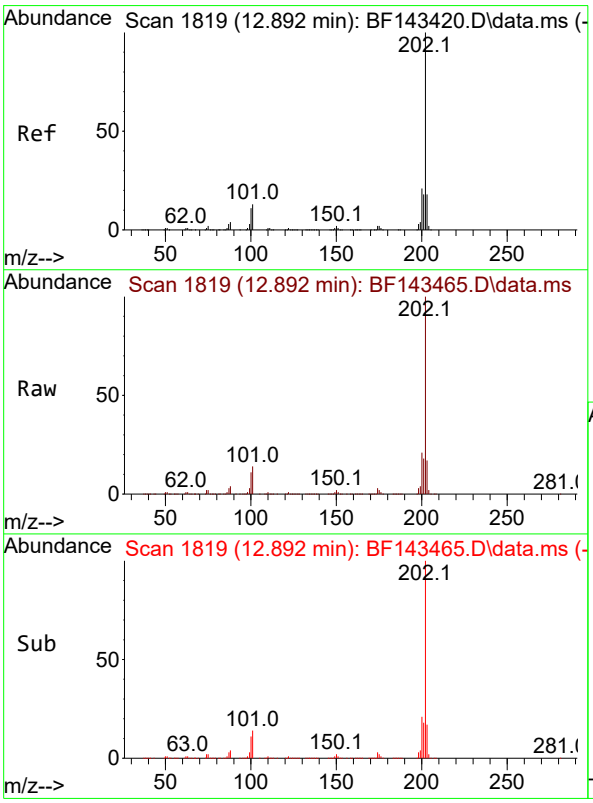
#77
Benzidine
Concen: 37.538 ng
RT: 12.780 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:184 Resp: 267385

Ion	Ratio	Lower	Upper
184	100		
185	14.3	12.2	18.2
183	11.6	9.2	13.8

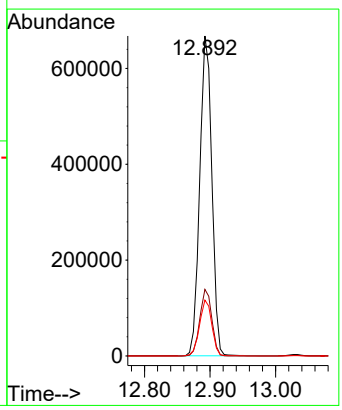


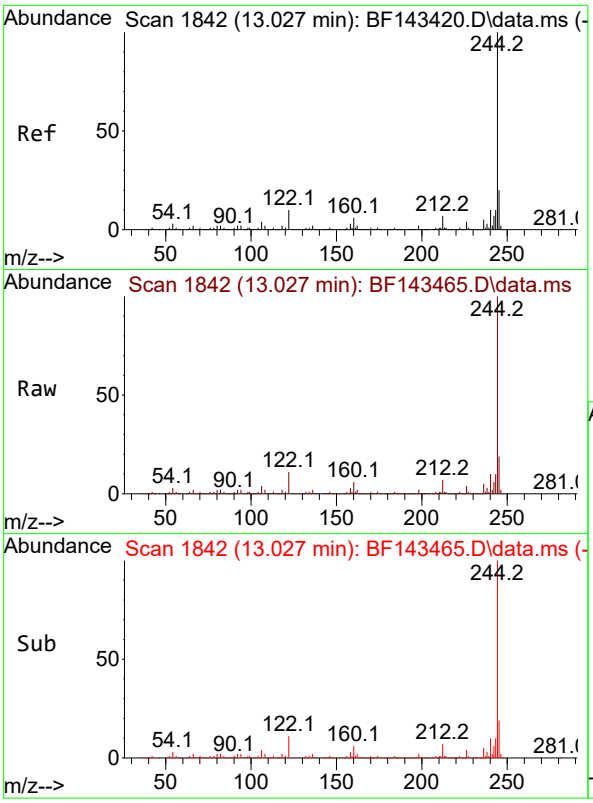


#78
Pyrene
Concen: 41.470 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:202 Resp: 859778

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.1	25.7
203	17.5	14.2	21.2



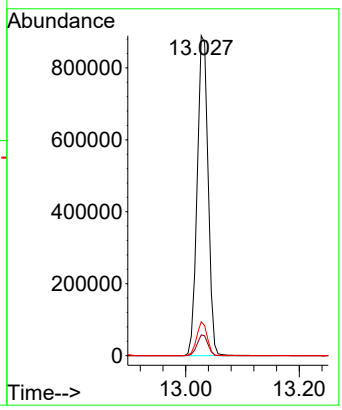


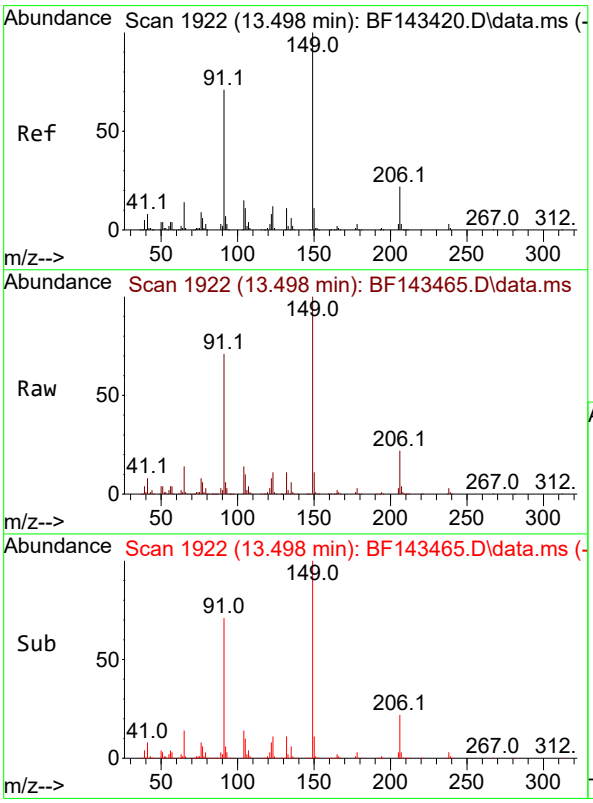
#79
Terphenyl-d14
Concen: 83.752 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:244 Resp: 1189246

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	10.6	8.3	12.5

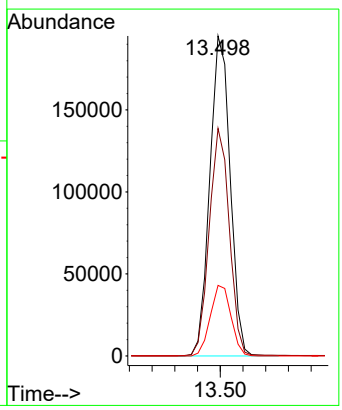


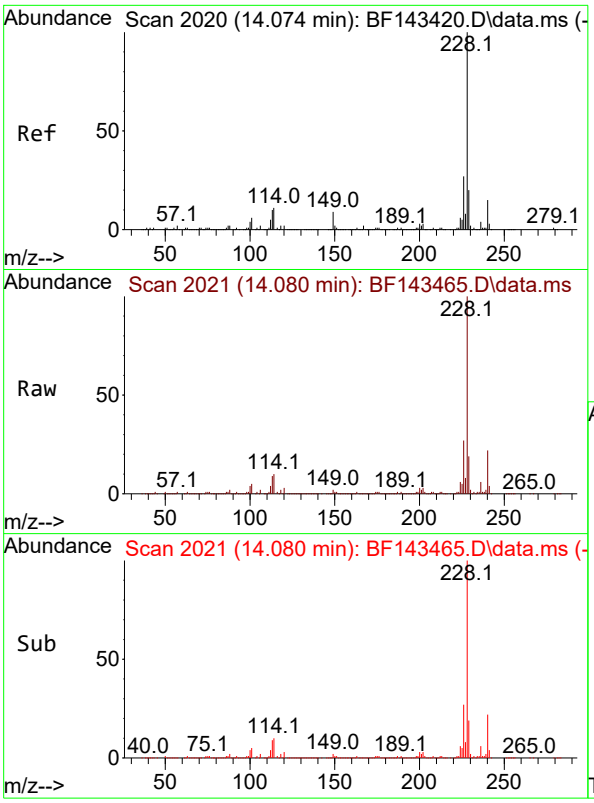


#80
Butylbenzylphthalate
Concen: 47.322 ng
RT: 13.498 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:149 Resp: 243008

Ion	Ratio	Lower	Upper
149	100		
91	71.1	57.0	85.4
206	22.1	17.6	26.4



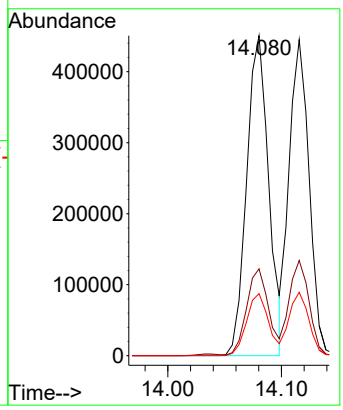


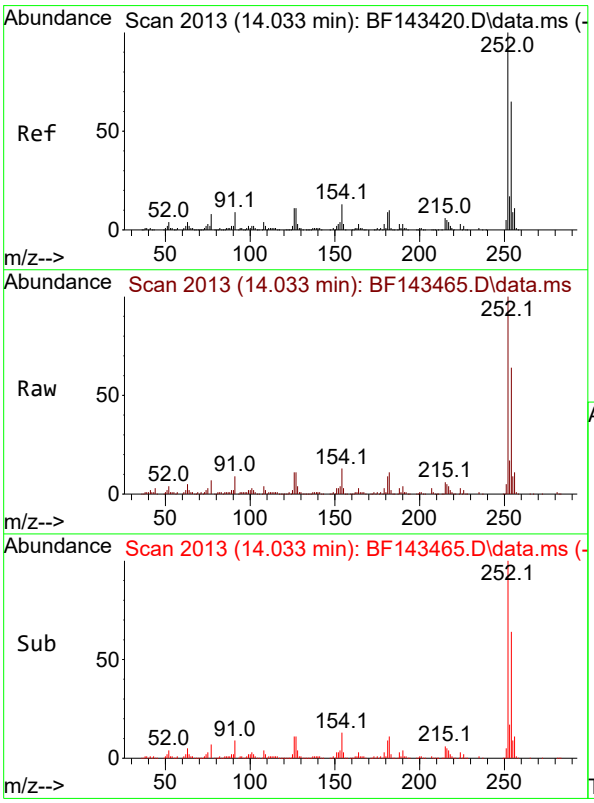
#81
Benzo(a)anthracene
Concen: 40.142 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 609614

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.5	32.3
229	19.4	15.7	23.5

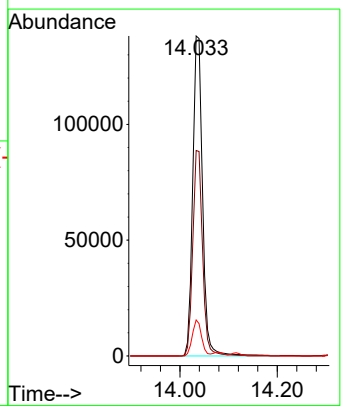


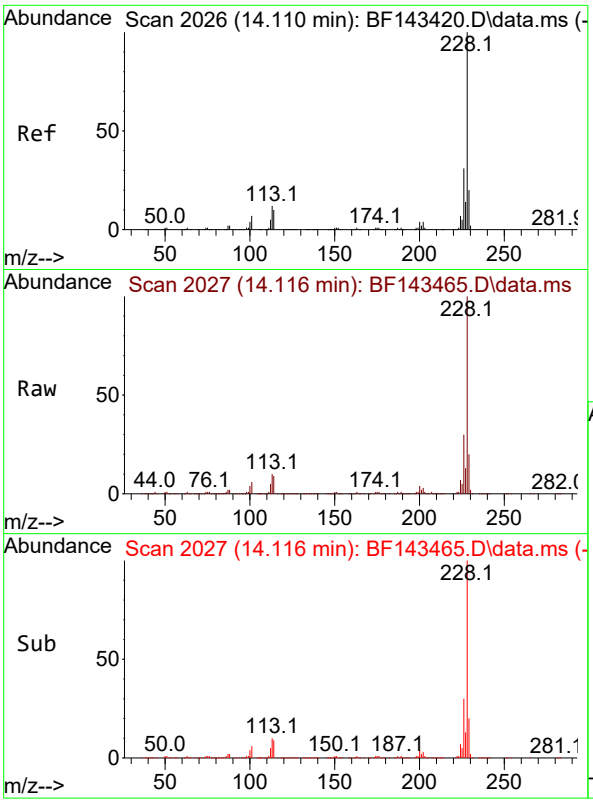


#82
3,3'-Dichlorobenzidine
Concen: 43.815 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:252 Resp: 194819

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.6	77.4
126	11.3	8.8	13.2



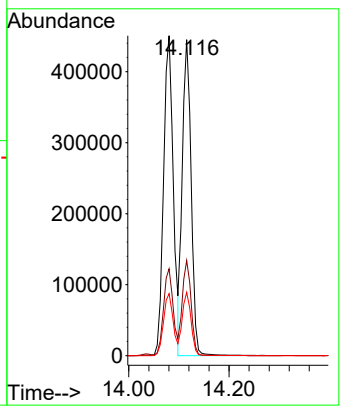


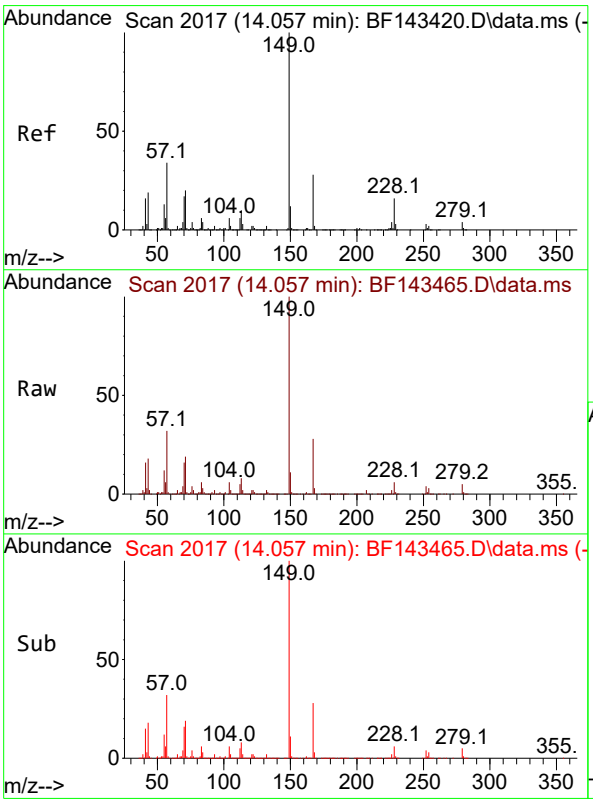
#83
Chrysene
Concen: 39.031 ng
RT: 14.116 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 547981

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.3	36.5
229	20.1	16.1	24.1

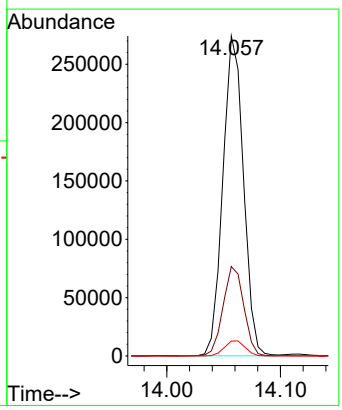


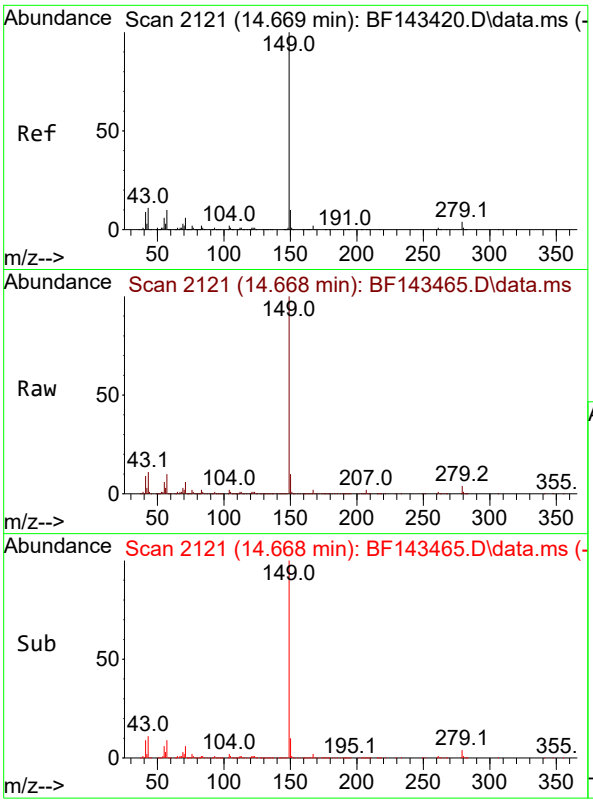


#84
Bis(2-ethylhexyl)phthalate
Concen: 47.337 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:149 Resp: 345222

Ion	Ratio	Lower	Upper
149	100		
167	28.0	22.6	33.8
279	4.7	3.5	5.3



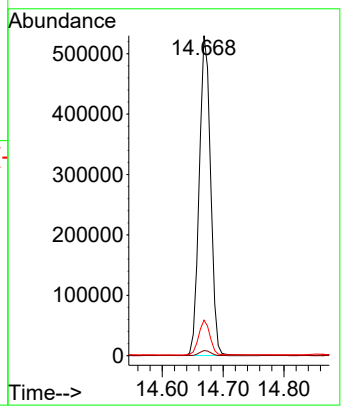


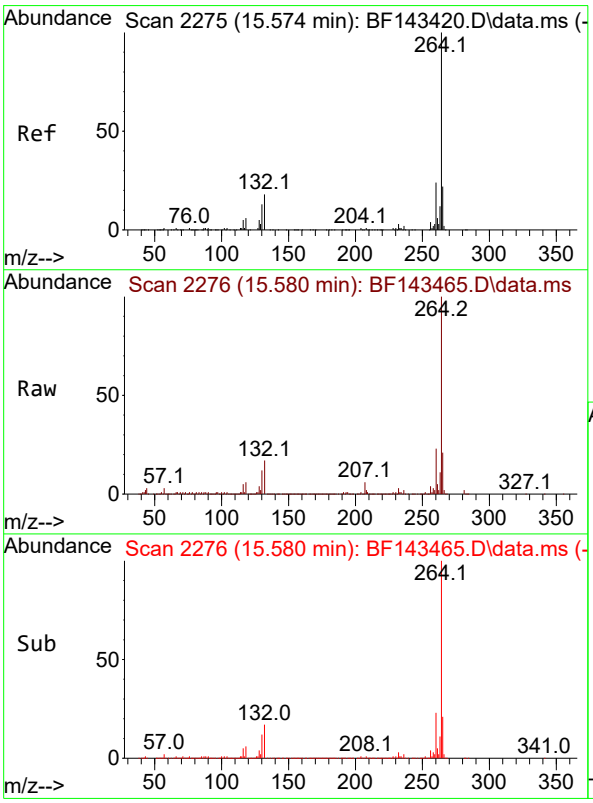
#85
Di-n-octyl phthalate
Concen: 46.393 ng
RT: 14.668 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:149 Resp: 686228

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.2	1.8
43	10.7	9.0	13.6

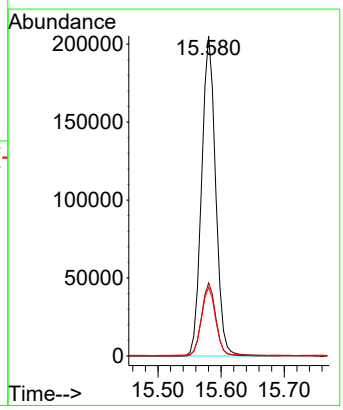


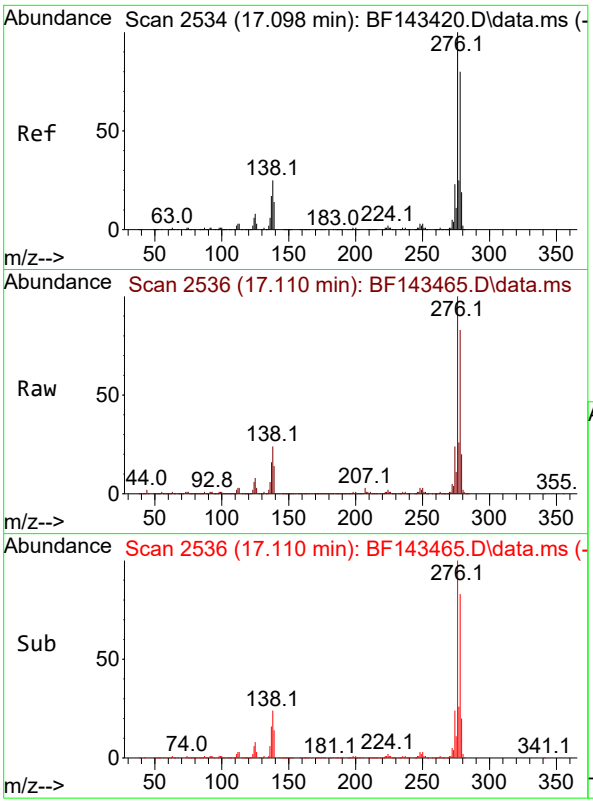


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:264 Resp: 315648

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.8	28.2
265	21.4	17.4	26.0



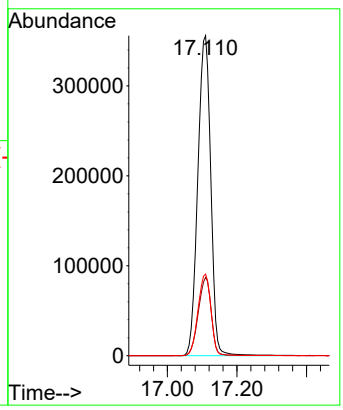


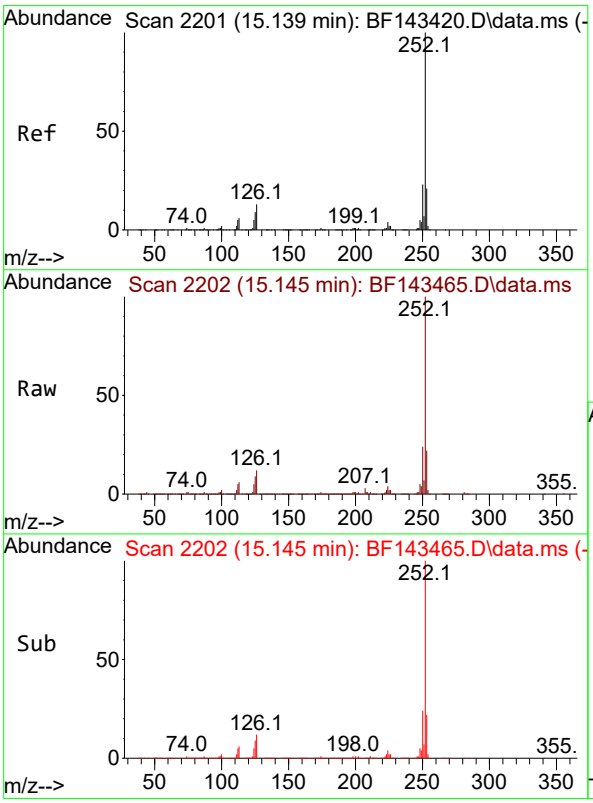
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.805 ng
RT: 17.110 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:276 Resp: 918539

Ion	Ratio	Lower	Upper
276	100		
138	24.4	20.2	30.4
277	25.5	20.2	30.2

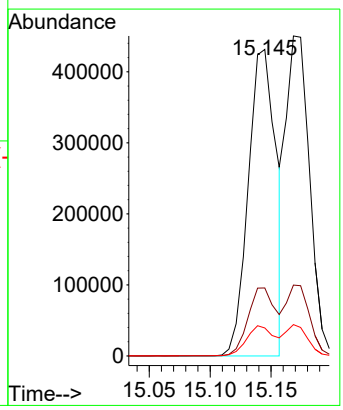


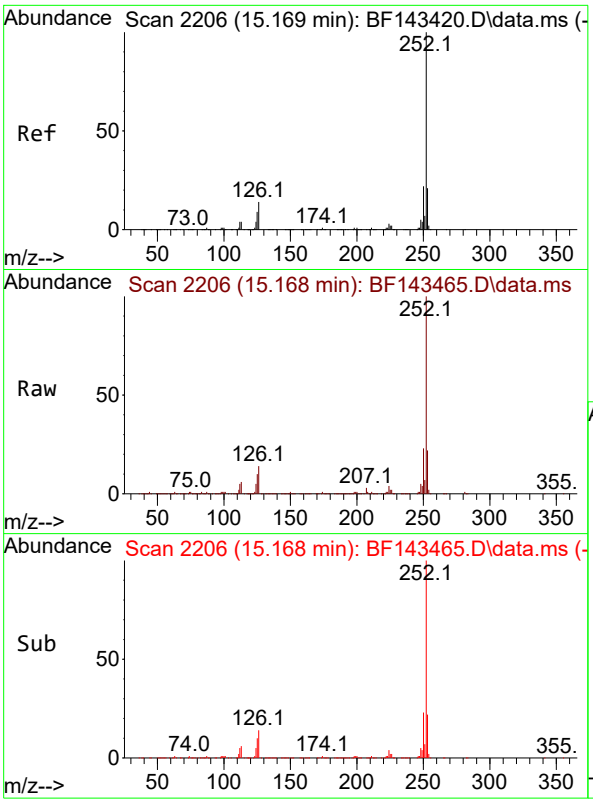


#88
Benzo(b)fluoranthene
Concen: 40.454 ng
RT: 15.145 min Scan# 2202
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:252 Resp: 684374

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	9.2	7.5	11.3



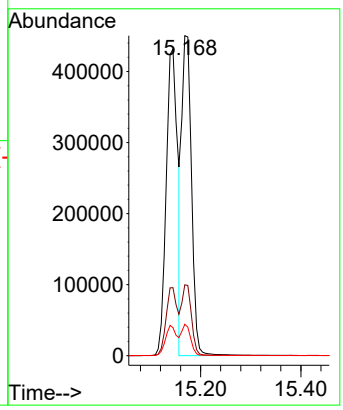


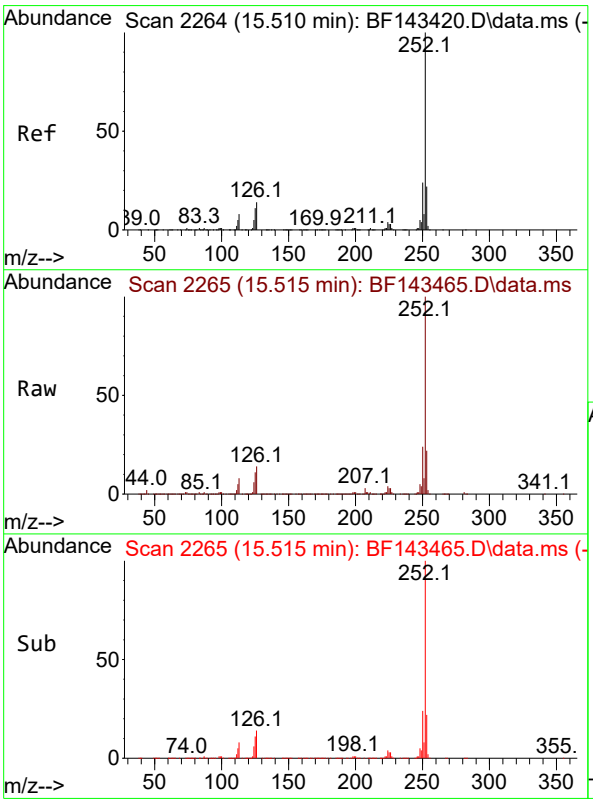
#89
Benzo(k)fluoranthene
Concen: 36.745 ng
RT: 15.168 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:252 Resp: 613134

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.2	25.8
125	9.8	7.4	11.2

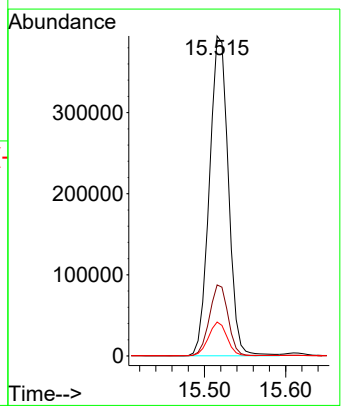


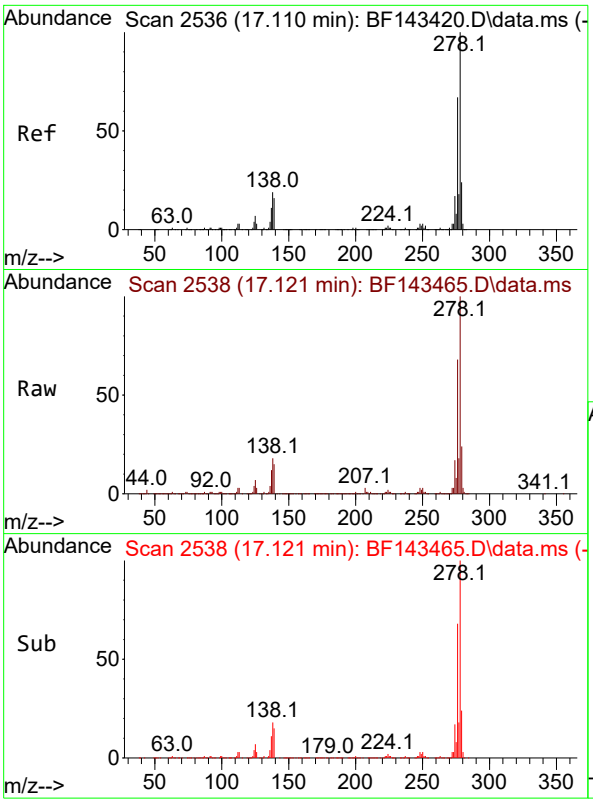


#90
Benzo(a)pyrene
Concen: 39.599 ng
RT: 15.515 min Scan# 2265
Delta R.T. 0.006 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:252 Resp: 638063

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	10.6	8.6	12.8



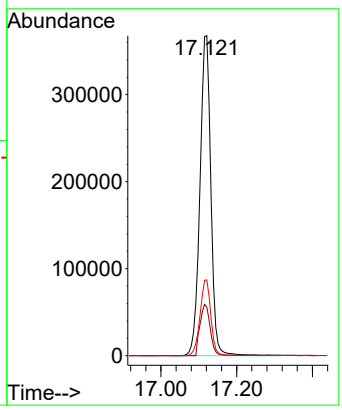


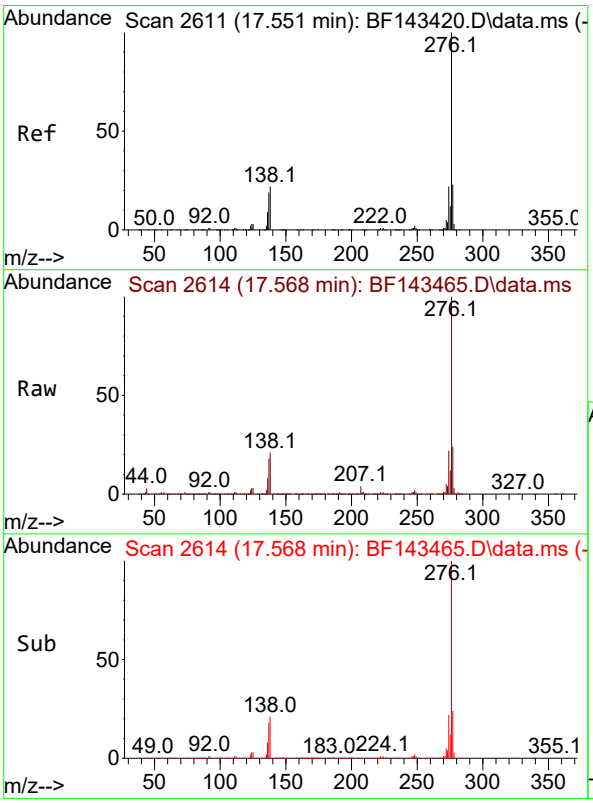
#91
Dibenzo(a,h)anthracene
Concen: 38.739 ng
RT: 17.121 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 736384

Ion	Ratio	Lower	Upper
278	100		
139	15.1	12.9	19.3
279	23.7	19.0	28.4

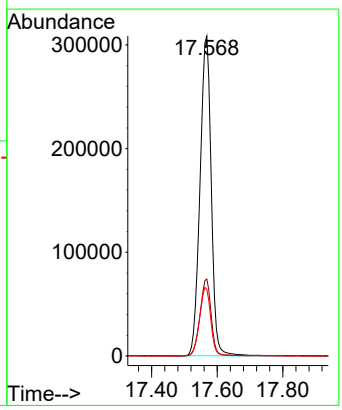




#92
Benzo(g,h,i)perylene
Concen: 38.755 ng
RT: 17.568 min Scan# 2614
Delta R.T. 0.018 min
Lab File: BF143465.D
Acq: 19 Aug 2025 19:53

Tgt Ion:276 Resp: 735937

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.7	28.1
138	20.9	17.5	26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143465.D
Acq On : 19 Aug 2025 19:53
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 01:13:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
2		1,4-Dioxane	0.554	0.525	5.2	100	0.00
3		Pyridine	1.453	1.422	2.1	102	0.01
4		n-Nitrosodimethylamine	0.675	0.641	5.0	101	0.00
5	S	2-Fluorophenol	1.151	1.147	0.3	107	0.00
6		Aniline	1.968	1.912	2.8	103	0.00
7	S	Phenol-d6	1.450	1.417	2.3	107	0.01
8		2-Chlorophenol	1.270	1.282	-0.9	110	0.00
9		Benzaldehyde	0.771	0.750	2.7	109	0.00
10	C	Phenol	1.692	1.637	3.3	103	0.00
11		bis(2-Chloroethyl)ether	1.254	1.229	2.0	106	0.00
12		1,3-Dichlorobenzene	1.423	1.417	0.4	109	0.00
13	C	1,4-Dichlorobenzene	1.421	1.412	0.6	108	0.00
14		1,2-Dichlorobenzene	1.357	1.338	1.4	108	0.00
15		Benzyl Alcohol	1.069	1.134	-6.1	113	0.00
16		2,2'-oxybis(1-Chloropropane	2.144	2.028	5.4	104	0.00
17		2-Methylphenol	1.036	1.036	0.0	108	0.00
18		Hexachloroethane	0.484	0.482	0.4	108	0.00
19	P	n-Nitroso-di-n-propylamine	0.898	0.885	1.4	110	0.00
20		3+4-Methylphenols	1.239	1.245	-0.5	107	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	108	0.00
22		Acetophenone	0.430	0.422	1.9	109	0.00
23	S	Nitrobenzene-d5	0.337	0.341	-1.2	109	0.00
24		Nitrobenzene	0.352	0.357	-1.4	109	0.00
25		Isophorone	0.645	0.647	-0.3	111	0.00
26	C	2-Nitrophenol	0.163	0.185	-13.5	118	0.00
27		2,4-Dimethylphenol	0.276	0.274	0.7	110	0.00
28		bis(2-Chloroethoxy)methane	0.397	0.397	0.0	111	0.00
29	C	2,4-Dichlorophenol	0.281	0.292	-3.9	112	0.00
30		1,2,4-Trichlorobenzene	0.288	0.291	-1.0	111	0.00
31		Naphthalene	0.950	0.945	0.5	109	0.00
32		Benzoic acid	0.144	0.155	-7.6	118	0.00
33		4-Chloroaniline	0.343	0.350	-2.0	110	0.00
34	C	Hexachlorobutadiene	0.184	0.192	-4.3	113	0.00
35		Caprolactam	0.081	0.085	-4.9	116	0.00
36	C	4-Chloro-3-methylphenol	0.290	0.298	-2.8	112	0.00
37		2-Methylnaphthalene	0.640	0.642	-0.3	112	0.00
38		1-Methylnaphthalene	0.613	0.620	-1.1	113	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	113	0.00
40		1,2,4,5-Tetrachlorobenzene	0.558	0.557	0.2	115	0.00
41	P	Hexachlorocyclopentadiene	0.167	0.181	-8.4	115	0.00
42	S	2,4,6-Tribromophenol	0.178	0.188	-5.6	120	0.00
43	C	2,4,6-Trichlorophenol	0.348	0.363	-4.3	116	0.00
44		2,4,5-Trichlorophenol	0.373	0.379	-1.6	114	0.00
45	S	2-Fluorobiphenyl	1.189	1.143	3.9	114	0.00
46		1,1'-Biphenyl	1.405	1.377	2.0	113	0.00
47		2-Chloronaphthalene	1.109	1.085	2.2	113	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143465.D
Acq On : 19 Aug 2025 19:53
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 01:13:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.330	0.337	-2.1	114	0.00
49		Acenaphthylene	1.602	1.570	2.0	113	0.00
50		Dimethylphthalate	1.247	1.251	-0.3	117	0.00
51		2,6-Dinitrotoluene	0.246	0.266	-8.1	120	0.00
52	C	Acenaphthene	1.077	1.067	0.9	116	0.00
53		3-Nitroaniline	0.274	0.287	-4.7	115	0.00
54	P	2,4-Dinitrophenol	0.097	0.116	-19.6	137	0.00
55		Dibenzofuran	1.554	1.525	1.9	114	0.00
56	P	4-Nitrophenol	0.172	0.168	2.3	106	0.00
57		2,4-Dinitrotoluene	0.328	0.359	-9.5	122	0.00
58		Fluorene	1.194	1.153	3.4	115	0.00
59		2,3,4,6-Tetrachlorophenol	0.282	0.301	-6.7	115	0.00
60		Diethylphthalate	1.152	1.144	0.7	117	0.00
61		4-Chlorophenyl-phenylether	0.590	0.594	-0.7	117	0.00
62		4-Nitroaniline	0.256	0.260	-1.6	113	0.00
63		Azobenzene	1.165	1.135	2.6	113	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	115	0.00
65		4,6-Dinitro-2-methylphenol	0.103	0.116	-12.6	125	0.00
66	c	n-Nitrosodiphenylamine	0.650	0.642	1.2	115	0.00
67		4-Bromophenyl-phenylether	0.236	0.241	-2.1	118	0.00
68		Hexachlorobenzene	0.251	0.253	-0.8	120	0.00
69		Atrazine	0.190	0.195	-2.6	119	0.00
70	C	Pentachlorophenol	0.110	0.117	-6.4	118	0.00
71		Phenanthrene	1.083	1.044	3.6	114	0.00
72		Anthracene	1.094	1.058	3.3	115	0.00
73		Carbazole	0.925	0.870	5.9	112	0.00
74		Di-n-butylphthalate	0.921	0.949	-3.0	123	0.00
75	C	Fluoranthene	0.962	0.899	6.5	116	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	110	0.00
77		Benzidine	0.597	0.560	6.2	109	0.00
78		Pyrene	1.738	1.802	-3.7	117	0.00
79	S	Terphenyl-d14	1.191	1.246	-4.6	119	0.00
80		Butylbenzylphthalate	0.431	0.509	-18.1	122	0.00
81		Benzo(a)anthracene	1.273	1.278	-0.4	112	0.00
82		3,3'-Dichlorobenzidine	0.373	0.408	-9.4	114	0.00
83		Chrysene	1.177	1.149	2.4	106	0.00
84		Bis(2-ethylhexyl)phthalate	0.611	0.724	-18.5	119	0.00
85	c	Di-n-octyl phthalate	1.240	1.438	-16.0	119	0.00
86	I	Perylene-d12	1.000	1.000	0.0	112	0.00
87		Indeno(1,2,3-cd)pyrene	1.500	1.455	3.0	109	0.01
88		Benzo(b)fluoranthene	1.072	1.084	-1.1	111	0.00
89		Benzo(k)fluoranthene	1.057	0.971	8.1	103	0.00
90	C	Benzo(a)pyrene	1.021	1.011	1.0	108	0.00
91		Dibenzo(a,h)anthracene	1.204	1.166	3.2	108	0.01
92		Benzo(g,h,i)perylene	1.203	1.166	3.1	108	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143465.D
Acq On : 19 Aug 2025 19:53
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 01:13:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143465.D
Acq On : 19 Aug 2025 19:53
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Sample : SSTDCCC040
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Instrument :
BNA_F
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Quant Time: Aug 20 01:13:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	107	0.00
2		1,4-Dioxane	40.000	37.946	5.1	100	0.00
3		Pyridine	40.000	39.164	2.1	102	0.01
4		n-Nitrosodimethylamine	40.000	37.978	5.1	101	0.00
5	S	2-Fluorophenol	80.000	79.722	0.3	107	0.00
6		Aniline	40.000	38.863	2.8	103	0.00
7	S	Phenol-d6	80.000	78.189	2.3	107	0.01
8		2-Chlorophenol	40.000	40.367	-0.9	110	0.00
9		Benzaldehyde	40.000	38.906	2.7	109	0.00
10	C	Phenol	40.000	38.710	3.2	103	0.00
11		bis(2-Chloroethyl)ether	40.000	39.192	2.0	106	0.00
12		1,3-Dichlorobenzene	40.000	39.839	0.4	109	0.00
13	C	1,4-Dichlorobenzene	40.000	39.746	0.6	108	0.00
14		1,2-Dichlorobenzene	40.000	39.450	1.4	108	0.00
15		Benzyl Alcohol	40.000	42.422	-6.1	113	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.828	5.4	104	0.00
17		2-Methylphenol	40.000	39.975	0.1	108	0.00
18		Hexachloroethane	40.000	39.849	0.4	108	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.451	1.4	110	0.00
20		3+4-Methylphenols	40.000	40.197	-0.5	107	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	108	0.00
22		Acetophenone	40.000	39.250	1.9	109	0.00
23	S	Nitrobenzene-d5	80.000	81.046	-1.3	109	0.00
24		Nitrobenzene	40.000	40.562	-1.4	109	0.00
25		Isophorone	40.000	40.093	-0.2	111	0.00
26	C	2-Nitrophenol	40.000	45.235	-13.1	118	0.00
27		2,4-Dimethylphenol	40.000	39.641	0.9	110	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.073	-0.2	111	0.00
29	C	2,4-Dichlorophenol	40.000	41.452	-3.6	112	0.00
30		1,2,4-Trichlorobenzene	40.000	40.374	-0.9	111	0.00
31		Naphthalene	40.000	39.822	0.4	109	0.00
32		Benzoic acid	40.000	43.106	-7.8	118	0.00
33		4-Chloroaniline	40.000	40.872	-2.2	110	0.00
34	C	Hexachlorobutadiene	40.000	41.735	-4.3	113	0.00
35		Caprolactam	40.000	42.156	-5.4	116	0.00
36	C	4-Chloro-3-methylphenol	40.000	41.119	-2.8	112	0.00
37		2-Methylnaphthalene	40.000	40.152	-0.4	112	0.00
38		1-Methylnaphthalene	40.000	40.466	-1.2	113	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	113	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.945	0.1	115	0.00
41	P	Hexachlorocyclopentadiene	40.000	39.240	1.9	115	0.00
42	S	2,4,6-Tribromophenol	80.000	84.273	-5.3	120	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.701	-4.3	116	0.00
44		2,4,5-Trichlorophenol	40.000	40.664	-1.7	114	0.00
45	S	2-Fluorobiphenyl	80.000	76.929	3.8	114	0.00
46		1,1'-Biphenyl	40.000	39.184	2.0	113	0.00
47		2-Chloronaphthalene	40.000	39.120	2.2	113	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143465.D
Acq On : 19 Aug 2025 19:53
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 01:13:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	40.861	-2.2	114	0.00
49		Acenaphthylene	40.000	39.202	2.0	113	0.00
50		Dimethylphthalate	40.000	40.126	-0.3	117	0.00
51		2,6-Dinitrotoluene	40.000	43.358	-8.4	120	0.00
52	C	Acenaphthene	40.000	39.626	0.9	116	0.00
53		3-Nitroaniline	40.000	41.903	-4.8	115	0.00
54	P	2,4-Dinitrophenol	40.000	43.488	-8.7	137	0.00
55		Dibenzofuran	40.000	39.251	1.9	114	0.00
56	P	4-Nitrophenol	40.000	39.083	2.3	106	0.00
57		2,4-Dinitrotoluene	40.000	43.798	-9.5	122	0.00
58		Fluorene	40.000	38.624	3.4	115	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	42.605	-6.5	115	0.00
60		Diethylphthalate	40.000	39.720	0.7	117	0.00
61		4-Chlorophenyl-phenylether	40.000	40.274	-0.7	117	0.00
62		4-Nitroaniline	40.000	40.677	-1.7	113	0.00
63		Azobenzene	40.000	38.977	2.6	113	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	115	0.00
65		4,6-Dinitro-2-methylphenol	40.000	45.026	-12.6	125	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.486	1.3	115	0.00
67		4-Bromophenyl-phenylether	40.000	40.757	-1.9	118	0.00
68		Hexachlorobenzene	40.000	40.366	-0.9	120	0.00
69		Atrazine	40.000	41.093	-2.7	119	0.00
70	C	Pentachlorophenol	40.000	42.261	-5.7	118	0.00
71		Phenanthrene	40.000	38.555	3.6	114	0.00
72		Anthracene	40.000	38.673	3.3	115	0.00
73		Carbazole	40.000	37.630	5.9	112	0.00
74		Di-n-butylphthalate	40.000	41.221	-3.1	123	0.00
75	C	Fluoranthene	40.000	37.354	6.6	116	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	110	0.00
77		Benzidine	40.000	37.538	6.2	109	0.00
78		Pyrene	40.000	41.470	-3.7	117	0.00
79	S	Terphenyl-d14	80.000	83.752	-4.7	119	0.00
80		Butylbenzylphthalate	40.000	47.322	-18.3	122	0.00
81		Benzo(a)anthracene	40.000	40.142	-0.4	112	0.00
82		3,3'-Dichlorobenzidine	40.000	43.815	-9.5	114	0.00
83		Chrysene	40.000	39.031	2.4	106	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	47.337	-18.3	119	0.00
85	c	Di-n-octyl phthalate	40.000	46.393	-16.0	119	0.00
86	I	Perylene-d12	20.000	20.000	0.0	112	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	38.805	3.0	109	0.01
88		Benzo(b)fluoranthene	40.000	40.454	-1.1	111	0.00
89		Benzo(k)fluoranthene	40.000	36.745	8.1	103	0.00
90	C	Benzo(a)pyrene	40.000	39.599	1.0	108	0.00
91		Dibenzo(a,h)anthracene	40.000	38.739	3.2	108	0.01
92		Benzo(g,h,i)perylene	40.000	38.755	3.1	108	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143465.D
Acq On : 19 Aug 2025 19:53
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 01:13:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

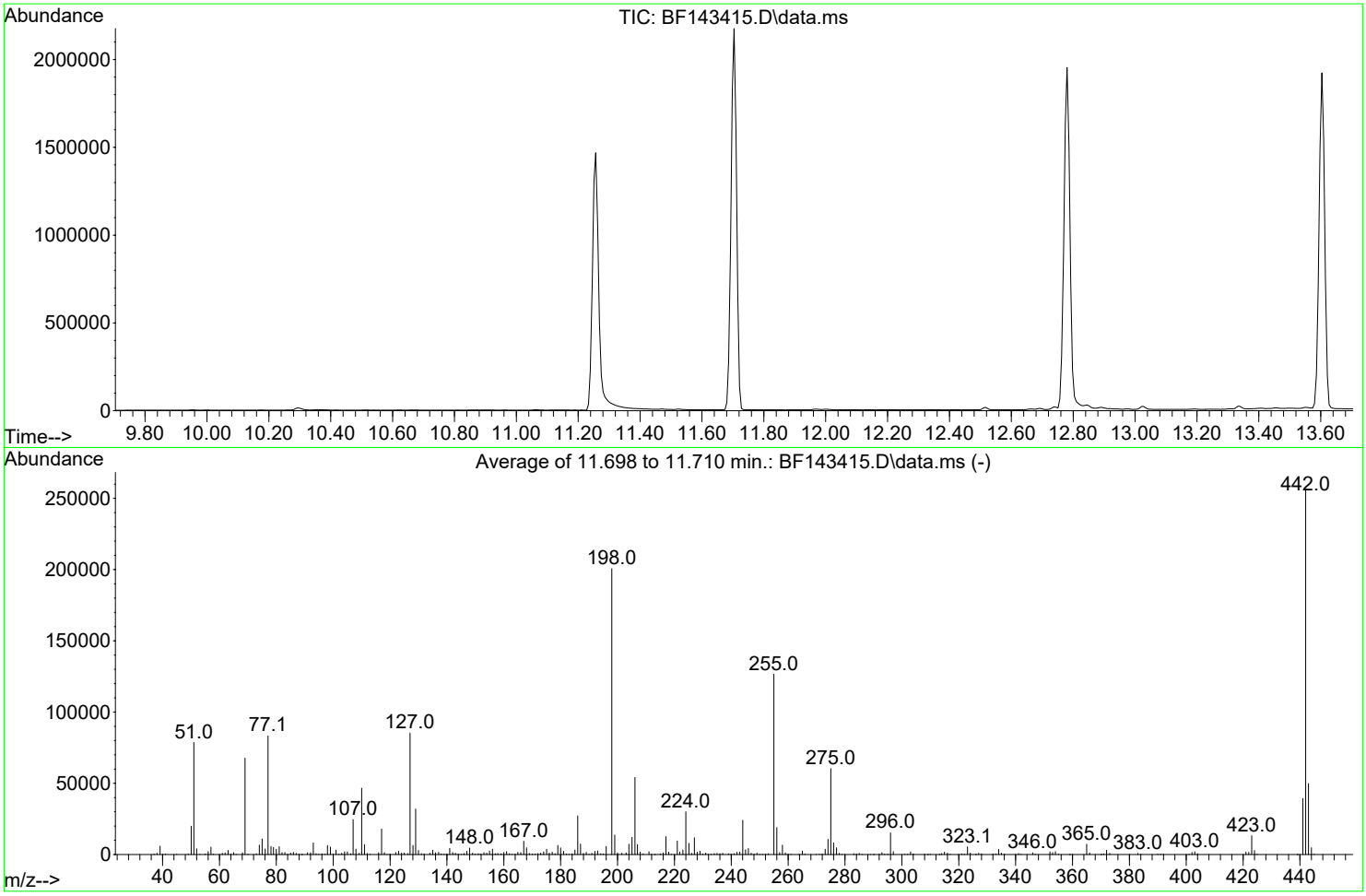
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143415.D
Acq On : 15 Aug 2025 13:59
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Aug 18 04:40:19 2025



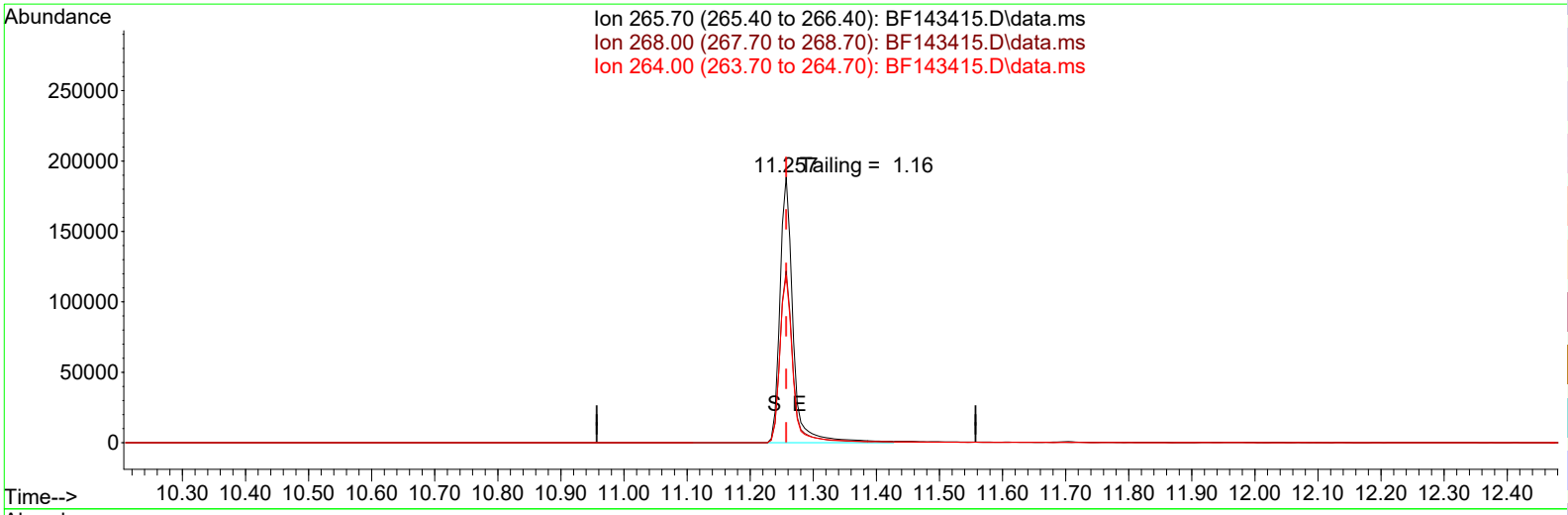
AutoFind: Scans 1616, 1617, 1618; Background Corrected with Scan 1609

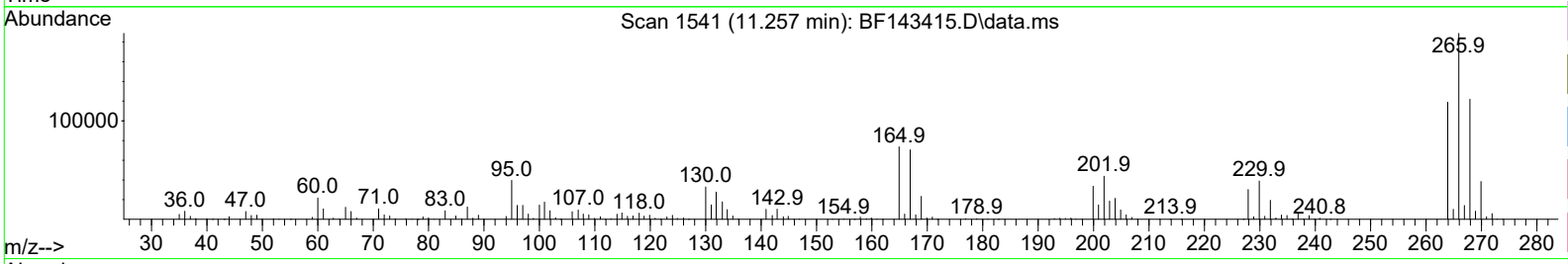
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	1264	PASS
69	69	100	100	100.0	67720	PASS
70	69	0.00	2	0.6	406	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	200640	PASS
199	198	5	9	6.8	13673	PASS
365	198	1	100	3.6	7304	PASS
441	443	0.01	150	79.0	39347	PASS
442	442	100	100	100.0	255488	PASS
443	442	15	24	19.5	49795	PASS

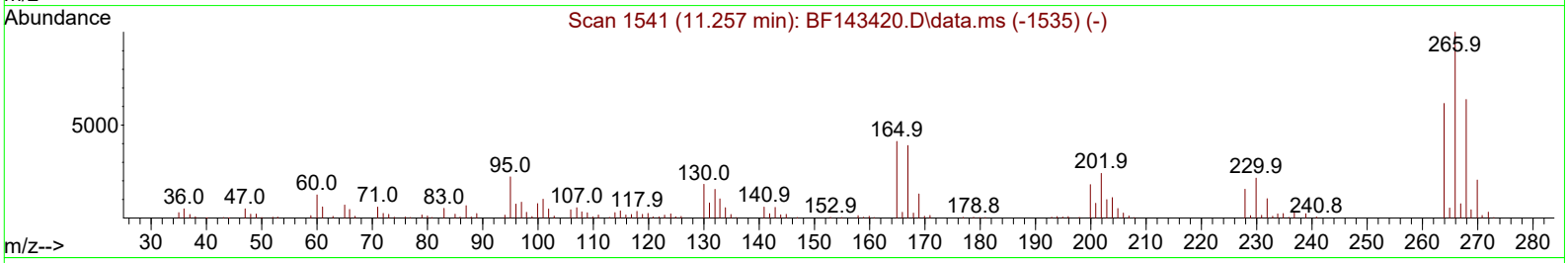
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143415.D
Acq On : 15 Aug 2025 13:59
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 15 19:00:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:57:34 2025
Response via : Initial Calibration







TIC: BF143415.D\data.ms

(70) Pentachlorophenol (C)

11.257min (-0.000) 361177.43 ng

response 277163

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.80	64.59
264.00	61.60	62.99
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143415.D
Acq On : 15 Aug 2025 13:59
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Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
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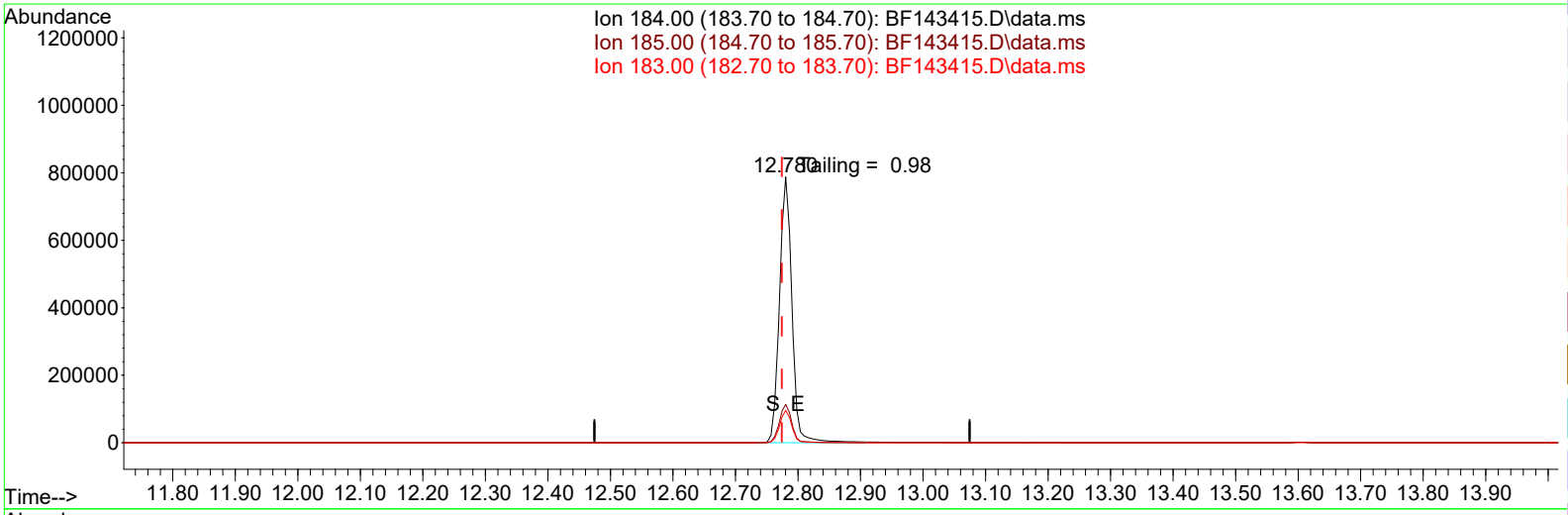
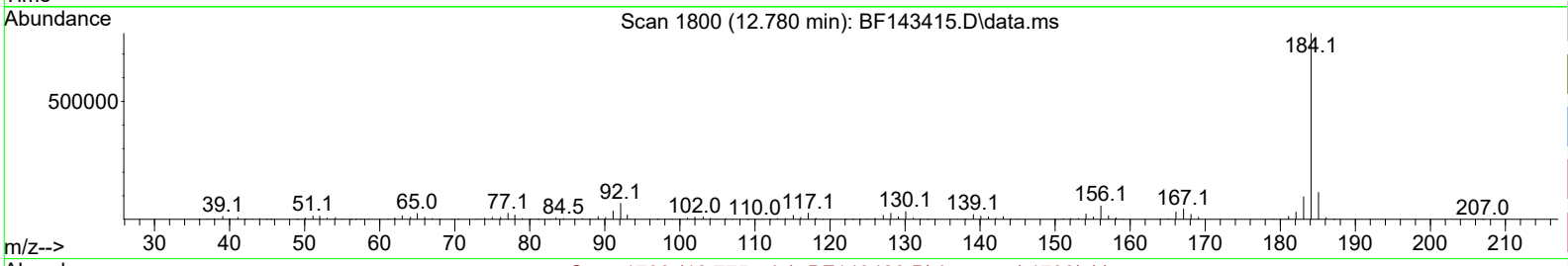
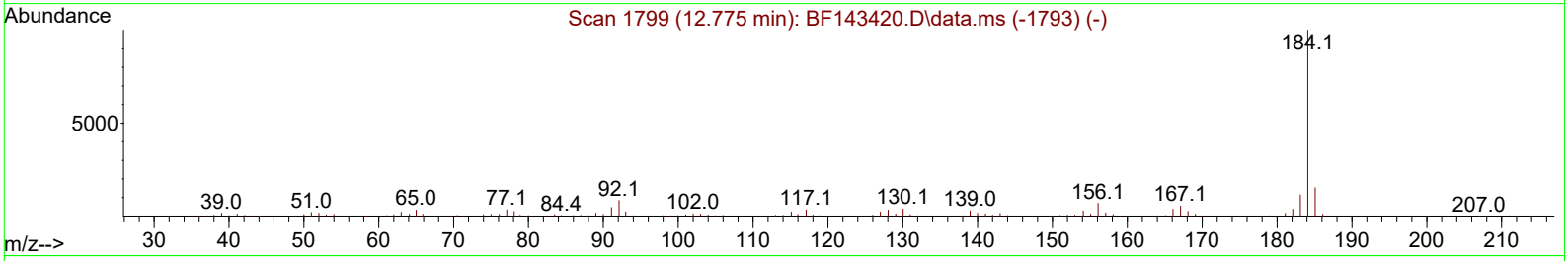
Response via : Initial Calibration







TIC: BF143415.D\data.ms

(77) Benzidine

12.780min (+ 0.006) 168452.64 ng

response 1096798

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.20	14.46
183.00	11.50	12.10
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

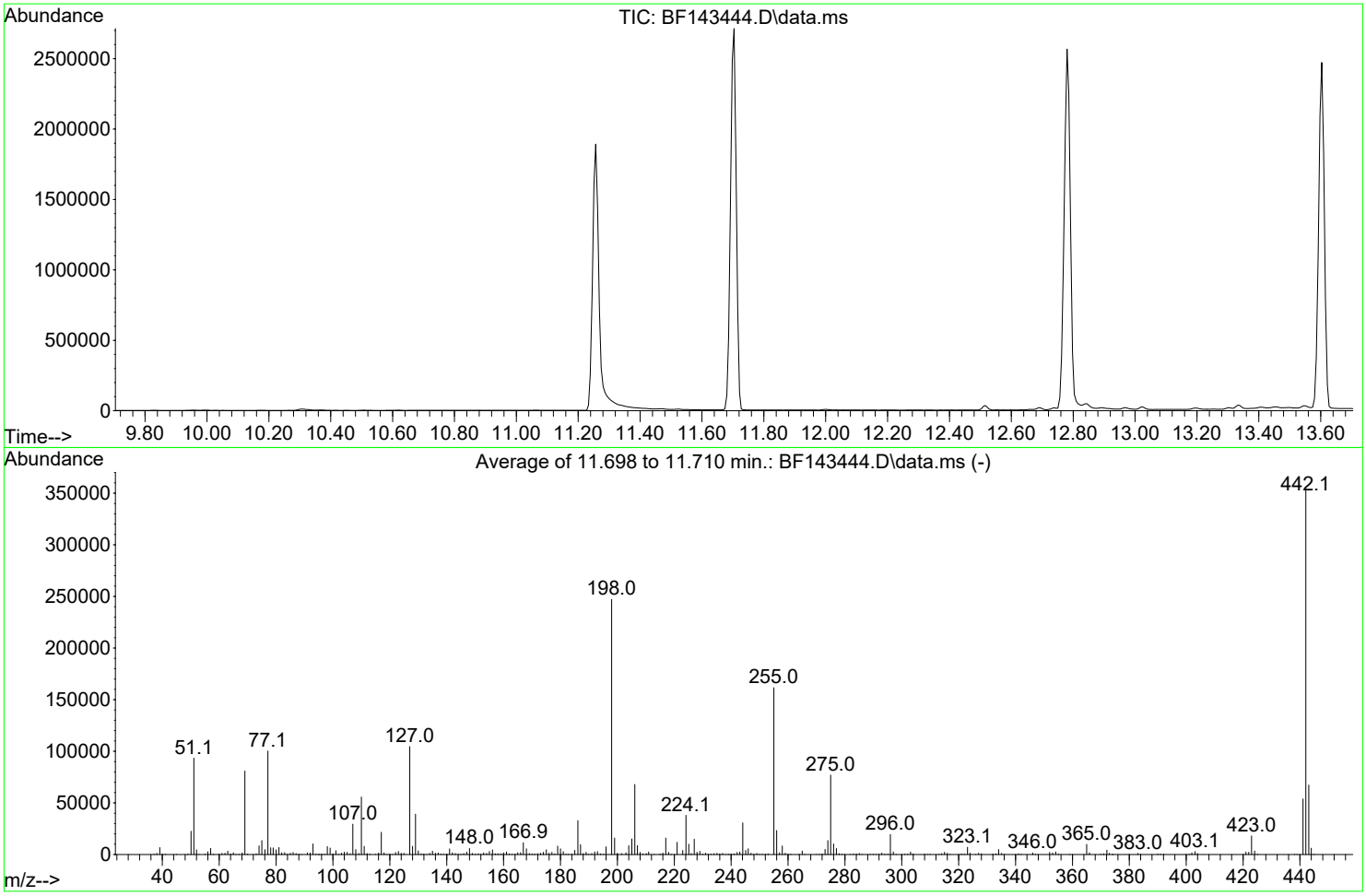
Date	Instrument Name	DFTPP Data File
8/15/2025	BNA_F	BF143415.D
Compound Name	**Response**	**Retention Time**
DDT	478181	13.604
DDD	9101	13.339
DDE		13.01
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
9101	487282	1.87

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143444.D
Acq On : 19 Aug 2025 08:39
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Aug 18 04:40:19 2025



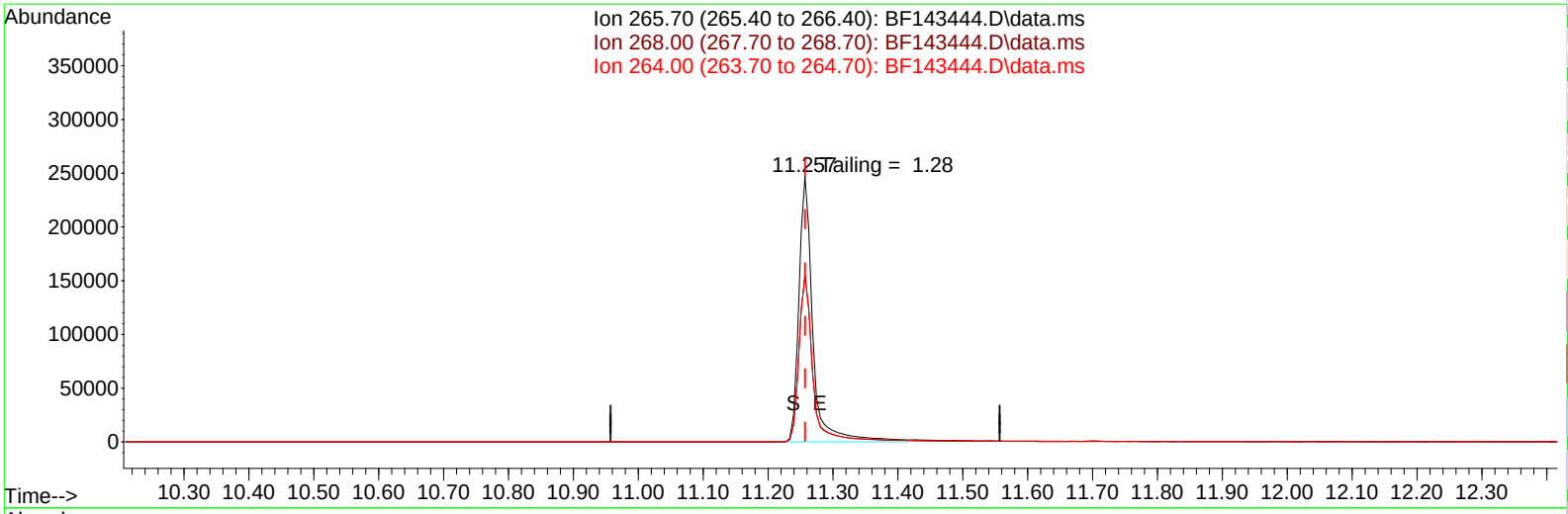
AutoFind: Scans 1616, 1617, 1618; Background Corrected with Scan 1609

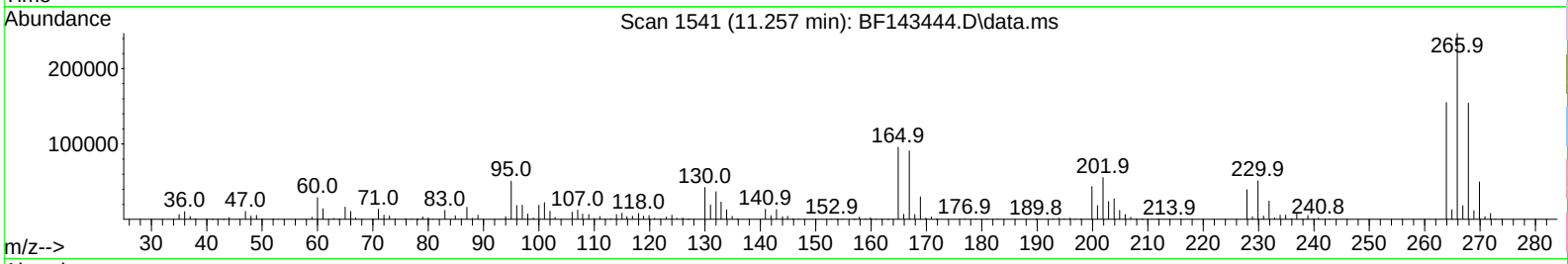
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	1571	PASS
69	69	100	100	100.0	80784	PASS
70	69	0.00	2	0.7	567	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	247168	PASS
199	198	5	9	6.5	16017	PASS
365	198	1	100	4.0	9857	PASS
441	443	0.01	150	80.1	53915	PASS
442	442	100	100	100.0	352491	PASS
443	442	15	24	19.1	67315	PASS

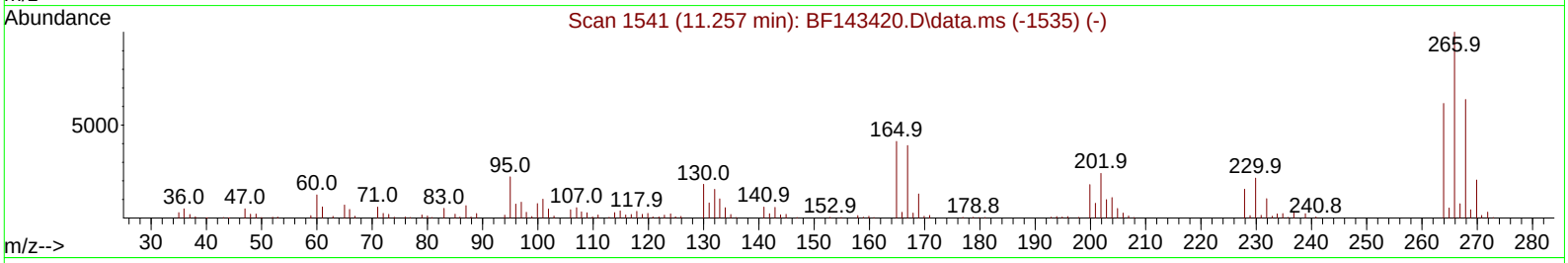
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143444.D
Acq On : 19 Aug 2025 08:39
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 19 12:05:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration







TIC: BF143444.D\data.ms

(70) Pentachlorophenol (C)

11.257min (-0.000) 503335.09 ng

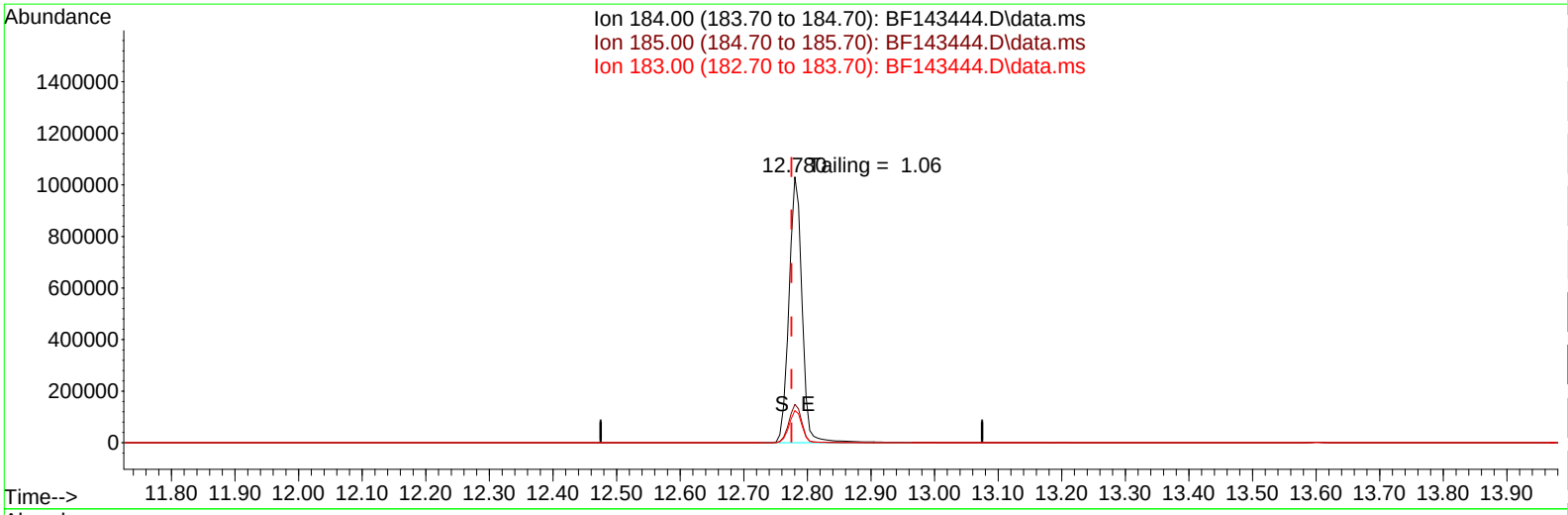
response 372359

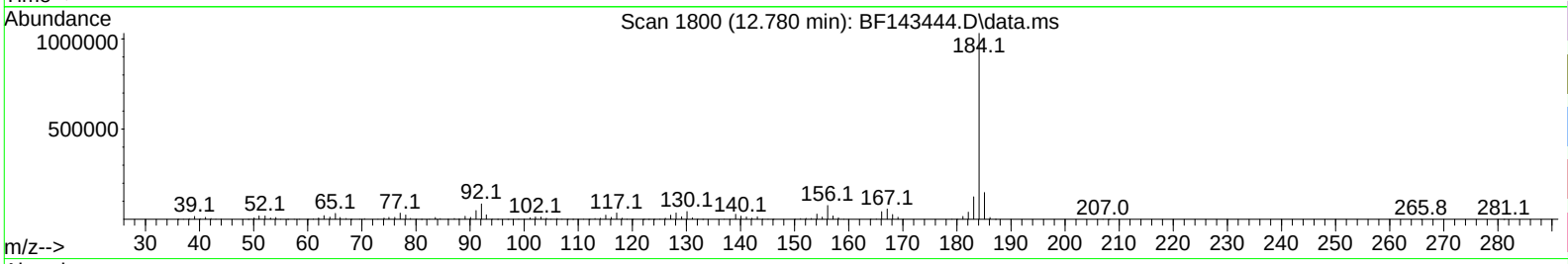
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.80	62.61
264.00	61.60	62.87
0.00	0.00	0.00

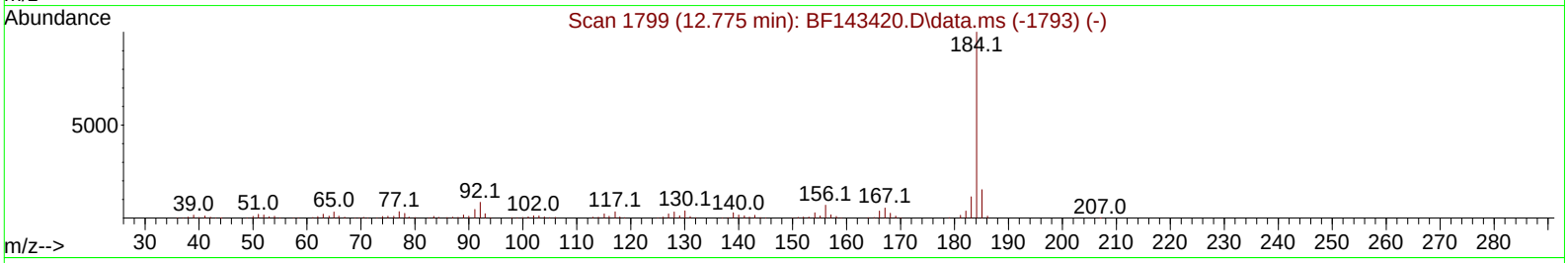
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143444.D
Acq On : 19 Aug 2025 08:39
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 19 12:05:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration







TIC: BF143444.D\data.ms

(77) Benzidine

12.780min (+ 0.005) 257789.28 ng

response 1485742

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.20	14.41
183.00	11.50	12.11
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
8/19/2025	BNA_F	BF143444.D
Compound Name	**Response**	**Retention Time**
DDT	634271	13.604
DDD	11218	13.333
DDE	3577	12.968
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
14795	649066	2.28

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group			Date Collected:	
Project:	Raymark Superfund Site			Date Received:	
Client Sample ID:	PB169285BL			SDG No.:	Q2879
Lab Sample ID:	PB169285BL			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group3
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143446.D	1	08/18/25 09:06	08/19/25 10:05	PB169285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	130	U	22.7	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	130	U	25.6	130	170	ug/Kg
208-96-8	Acenaphthylene	130	U	28.9	130	170	ug/Kg
83-32-9	Acenaphthene	130	U	21.3	130	170	ug/Kg
86-73-7	Fluorene	130	U	25.3	130	170	ug/Kg
85-01-8	Phenanthrene	130	U	20.9	130	170	ug/Kg
120-12-7	Anthracene	130	U	33.3	130	170	ug/Kg
206-44-0	Fluoranthene	130	U	30.0	130	170	ug/Kg
129-00-0	Pyrene	130	U	36.0	130	170	ug/Kg
56-55-3	Benzo(a)anthracene	130	U	23.0	130	170	ug/Kg
218-01-9	Chrysene	130	U	19.9	130	170	ug/Kg
205-99-2	Benzo(b)fluoranthene	130	U	19.0	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	130	U	22.4	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	130	U	29.5	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	U	29.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	130	U	27.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	U	25.7	130	170	ug/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	95.6		37 - 122		96%	SPK: 100
321-60-8	2-Fluorobiphenyl	89.8		44 - 115		90%	SPK: 100
1718-51-0	Terphenyl-d14	98.7		54 - 127		99%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	133000	6.928				
1146-65-2	Naphthalene-d8	514000	8.204				
15067-26-2	Acenaphthene-d10	287000	9.963				
1517-22-2	Phenanthrene-d10	477000	11.445				
1719-03-5	Chrysene-d12	250000	14.086				
1520-96-3	Perylene-d12	257000	15.574				

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group			Date Collected:	
Project:	Raymark Superfund Site			Date Received:	
Client Sample ID:	PB169285BL			SDG No.:	Q2879
Lab Sample ID:	PB169285BL			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.02	Units: g		Final Vol:	1000 uL
Soil Aliquot Vol:		uL		Test:	SVOCMS Group3
Extraction Type :		Decanted : N		Level :	LOW
Injection Volume :		GPC Factor : 1.0		GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143446.D	1	08/18/25 09:06	08/19/25 10:05	PB169285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143446.D
Acq On : 19 Aug 2025 10:05
Operator : RC/JU
Sample : PB169285BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB169285BL

Quant Time: Aug 19 12:03:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

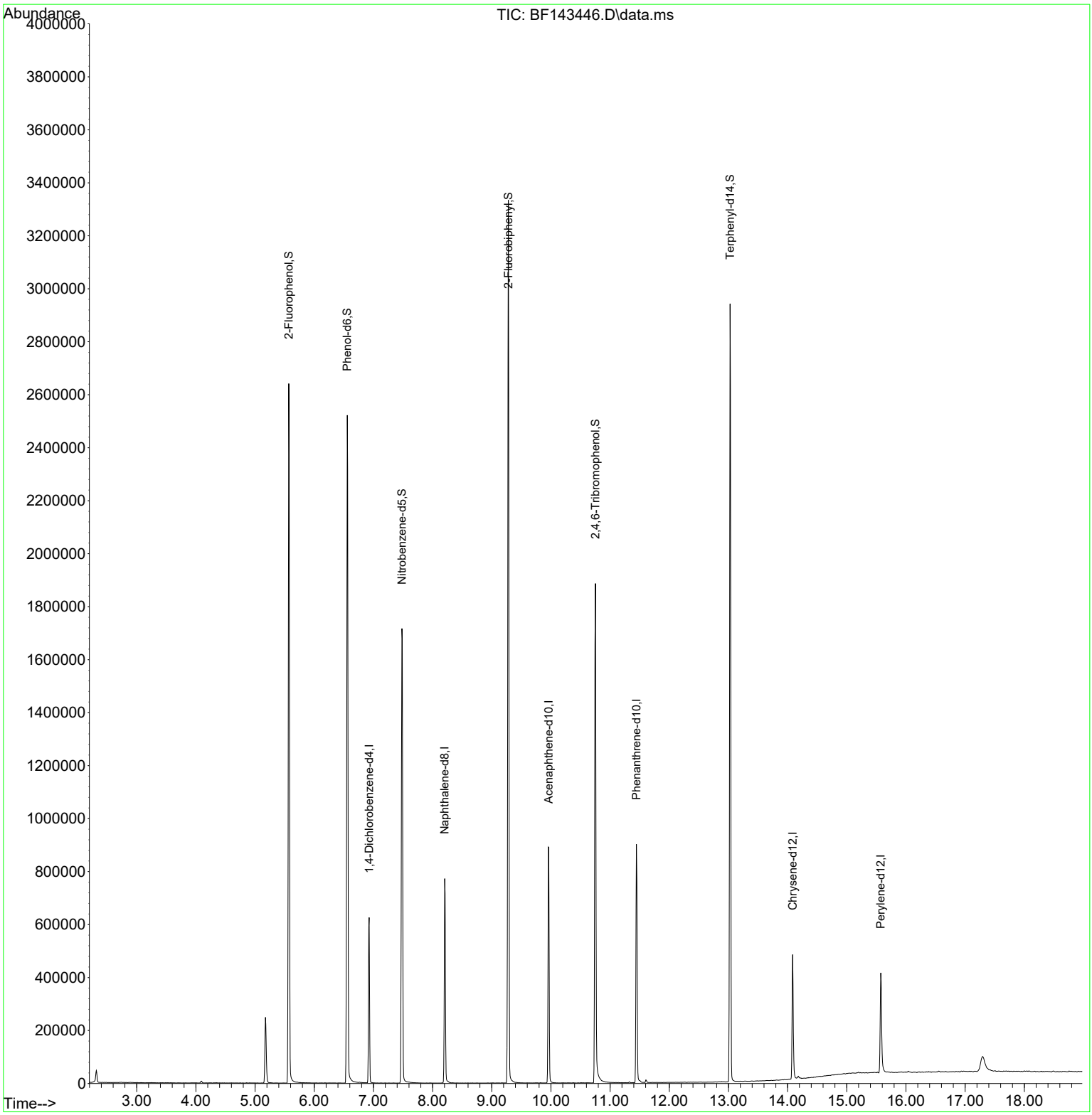
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	133029	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	514311	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	286595	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	476673	20.000	ng	0.00
76) Chrysene-d12	14.086	240	249909	20.000	ng	0.00
86) Perylene-d12	15.574	264	256798	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	988220	129.133	ng	0.01
7) Phenol-d6	6.557	99	1234802	128.036	ng	0.00
23) Nitrobenzene-d5	7.481	82	828324	95.568	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	356155	139.619	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1530513	89.824	ng	0.00
79) Terphenyl-d14	13.027	244	1467739	98.660	ng	0.00
Target Compounds						Qvalue

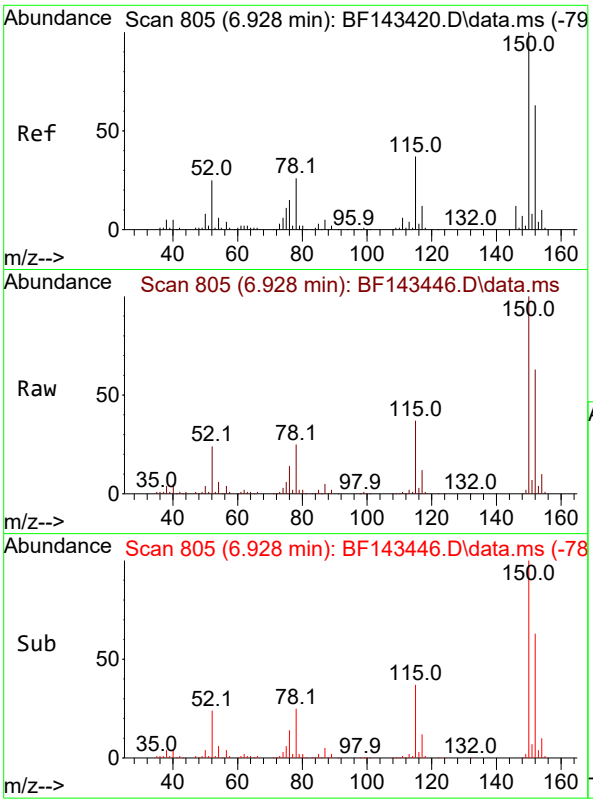
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143446.D
Acq On : 19 Aug 2025 10:05
Operator : RC/JU
Sample : PB169285BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB169285BL

Quant Time: Aug 19 12:03:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration



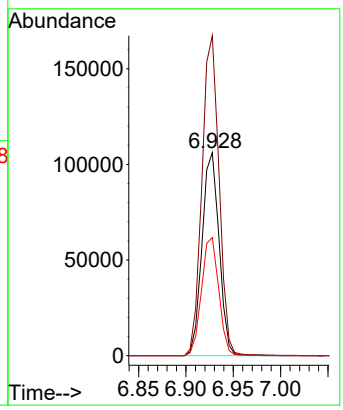


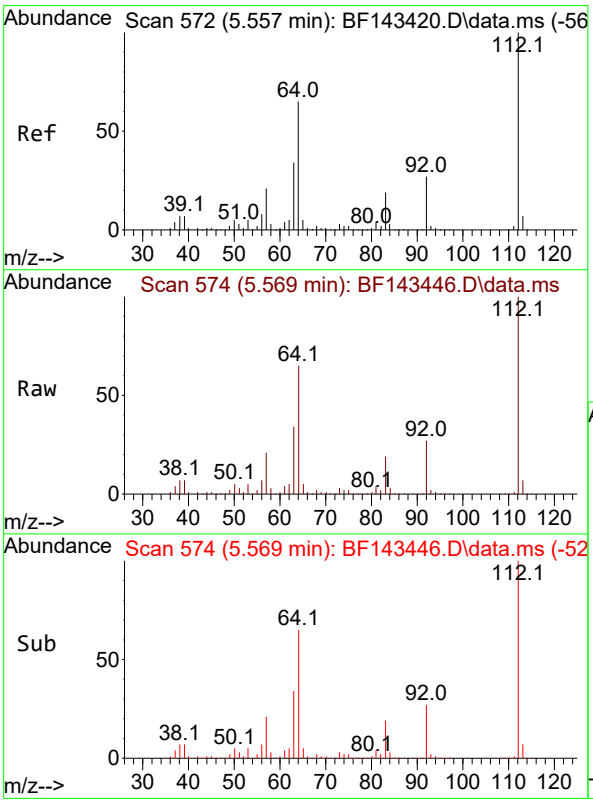
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143446.D
Acq: 19 Aug 2025 10:05

Instrument :
BNA_F
ClientSampleId :
PB169285BL

Tgt Ion:152 Resp: 133029

Ion	Ratio	Lower	Upper
152	100		
150	157.6	127.4	191.2
115	58.2	47.5	71.3

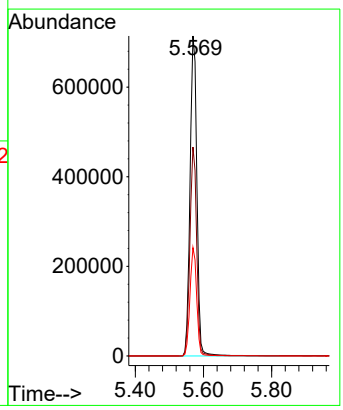


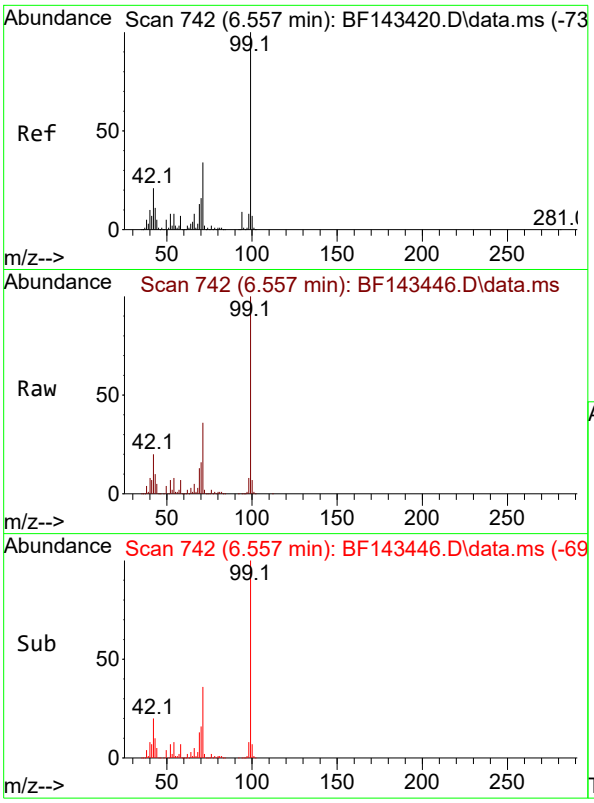


#5
2-Fluorophenol
Concen: 129.133 ng
RT: 5.569 min Scan# 574
Delta R.T. 0.012 min
Lab File: BF143446.D
Acq: 19 Aug 2025 10:05

Tgt Ion:112 Resp: 988220

Ion	Ratio	Lower	Upper
112	100		
64	65.3	52.2	78.2
63	33.9	27.0	40.6



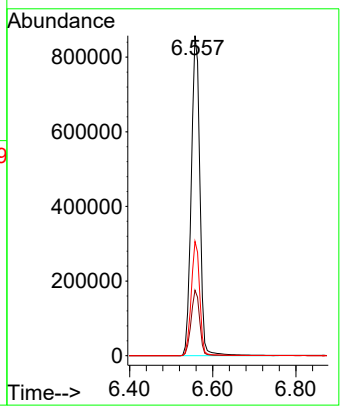


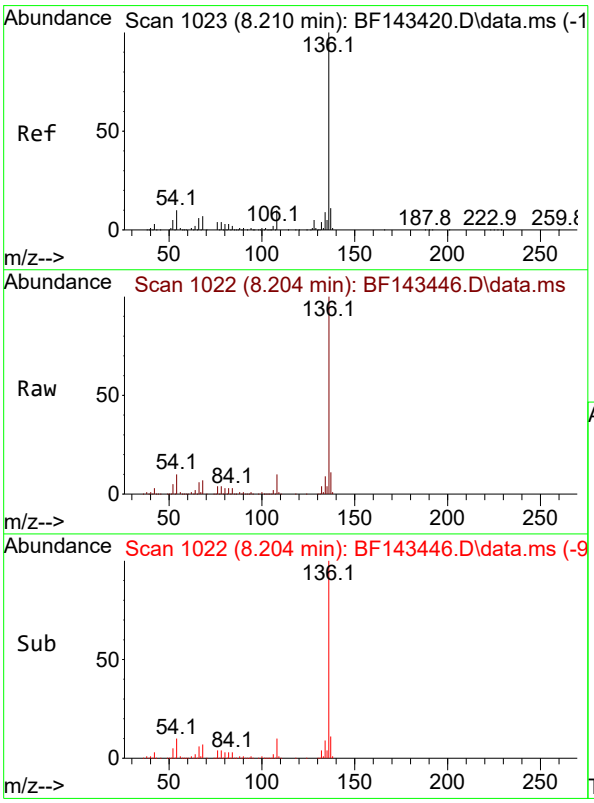
#7
Phenol-d6
Concen: 128.036 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143446.D
Acq: 19 Aug 2025 10:05

Instrument :
BNA_F
ClientSampleId :
PB169285BL

Tgt Ion: 99 Resp: 1234802

Ion	Ratio	Lower	Upper
99	100		
42	20.5	17.0	25.6
71	35.7	27.4	41.2

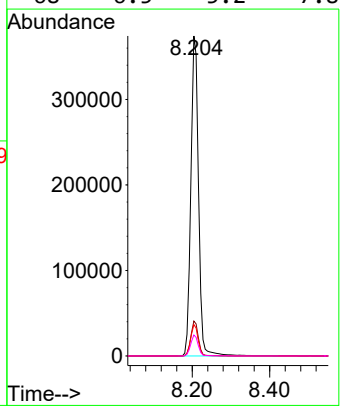


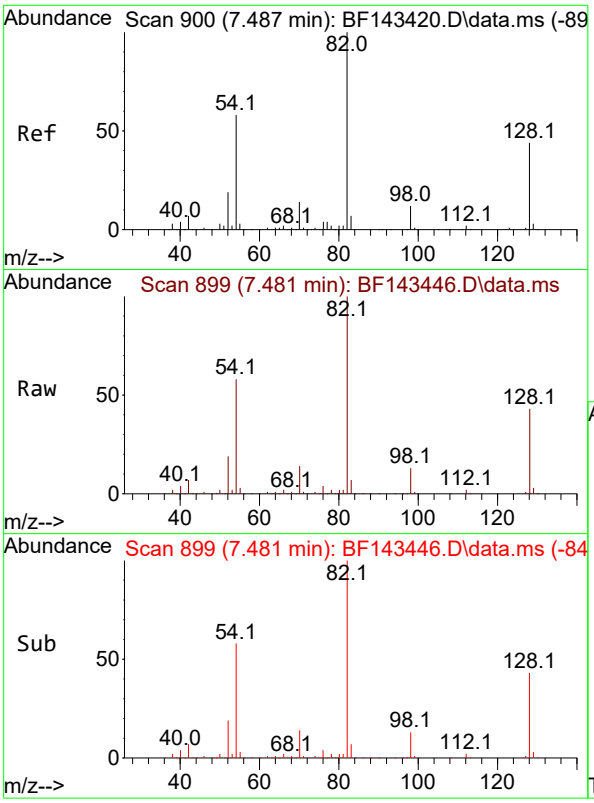


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143446.D
Acq: 19 Aug 2025 10:05

Tgt Ion:136 Resp: 514311

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	9.8	7.8	11.8
68	6.5	5.2	7.8



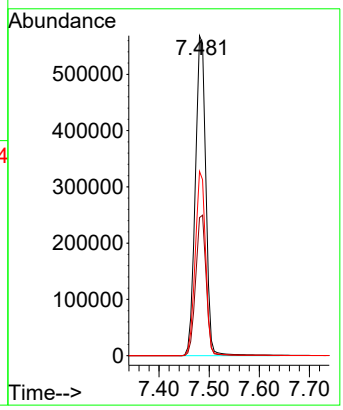


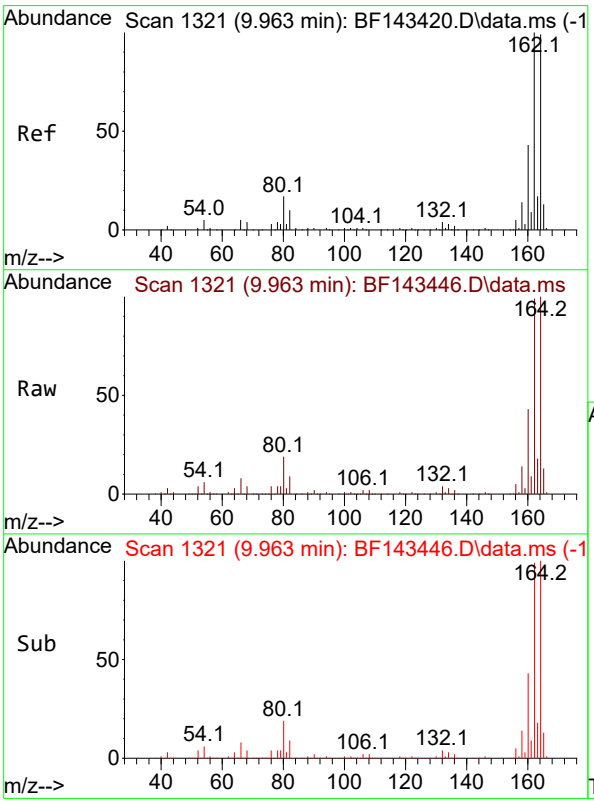
#23
Nitrobenzene-d5
Concen: 95.568 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143446.D
Acq: 19 Aug 2025 10:05

Instrument :
BNA_F
ClientSampleId :
PB169285BL

Tgt Ion: 82 Resp: 828324

Ion	Ratio	Lower	Upper
82	100		
128	43.2	34.6	52.0
54	57.6	46.0	69.0

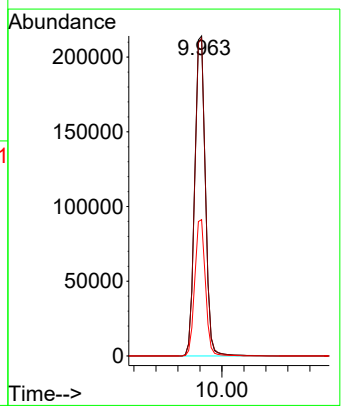


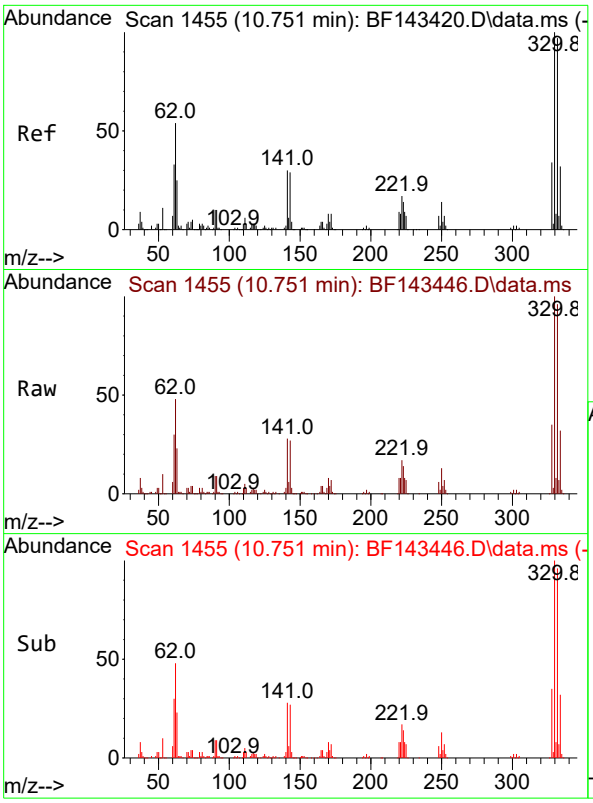


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BF143446.D
Acq: 19 Aug 2025 10:05

Tgt Ion:164 Resp: 286595

Ion	Ratio	Lower	Upper
164	100		
162	99.4	80.6	121.0
160	42.6	34.6	51.8



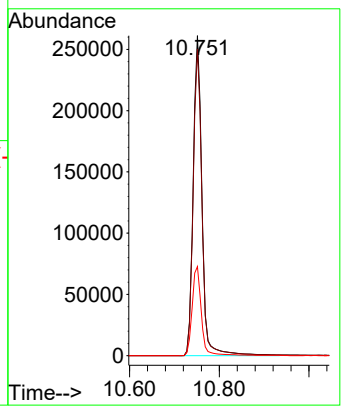


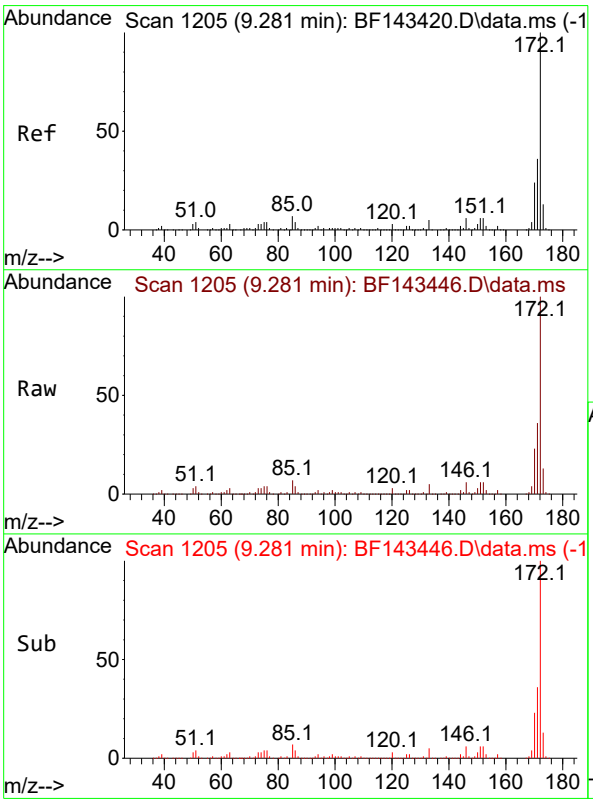
#42
2,4,6-Tribromophenol
Concen: 139.619 ng
RT: 10.751 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143446.D
Acq: 19 Aug 2025 10:05

Instrument :
BNA_F
ClientSampleId :
PB169285BL

Tgt Ion:330 Resp: 356155

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.4	116.2
141	29.5	24.1	36.1

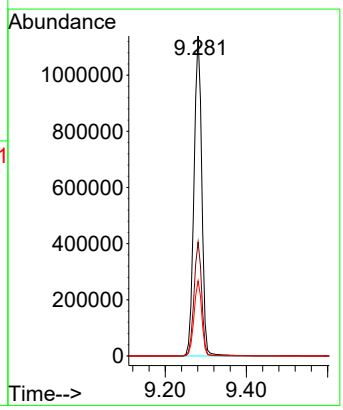


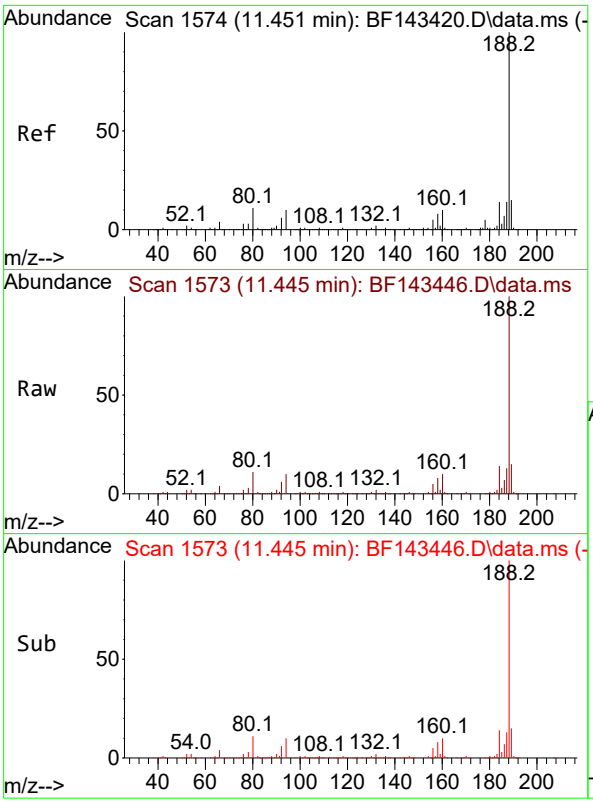


#45
2-Fluorobiphenyl
Concen: 89.824 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF143446.D
Acq: 19 Aug 2025 10:05

Tgt Ion:172 Resp: 1530513

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.7	43.1
170	23.5	19.0	28.6



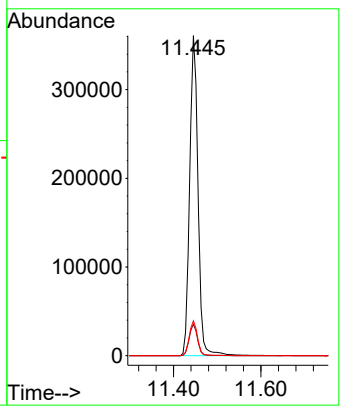


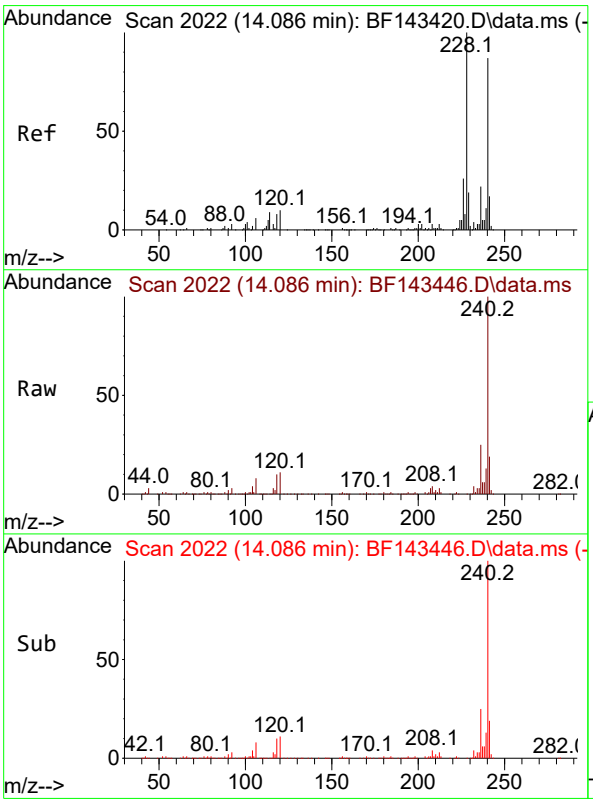
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143446.D
Acq: 19 Aug 2025 10:05

Instrument :
BNA_F
ClientSampleId :
PB169285BL

Tgt Ion:188 Resp: 476673

Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.0	12.0
80	10.9	8.6	12.8

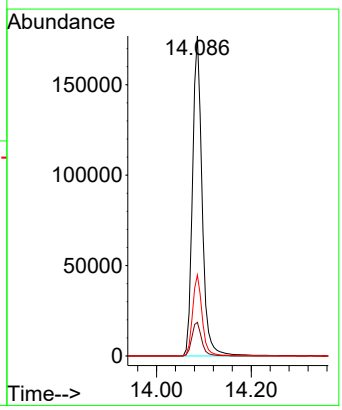


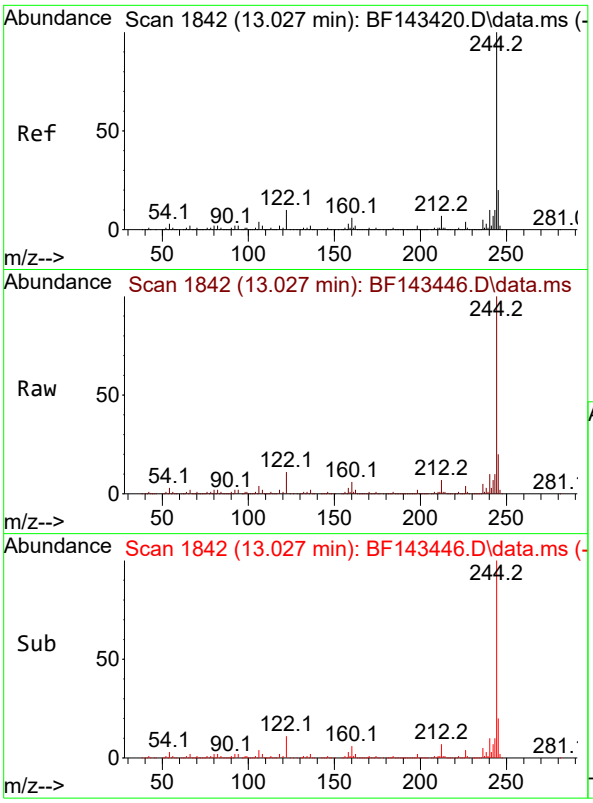


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF143446.D
Acq: 19 Aug 2025 10:05

Tgt Ion:240 Resp: 249909

Ion	Ratio	Lower	Upper
240	100		
120	10.5	9.0	13.4
236	25.3	20.2	30.2



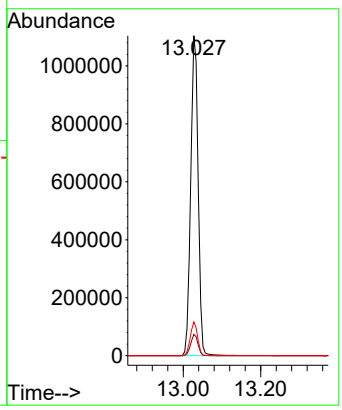


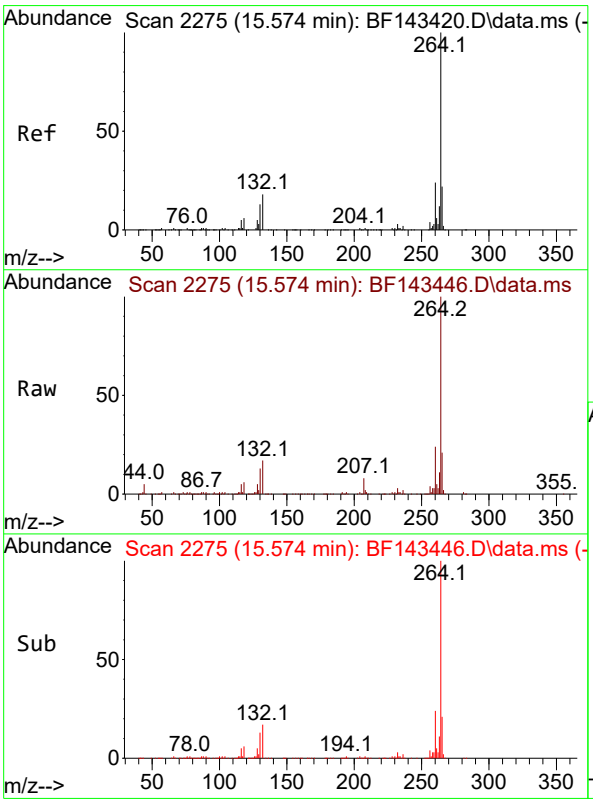
#79
Terphenyl-d14
Concen: 98.660 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143446.D
Acq: 19 Aug 2025 10:05

Instrument :
BNA_F
ClientSampleId :
PB169285BL

Tgt Ion:244 Resp: 1467739

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	10.5	8.3	12.5

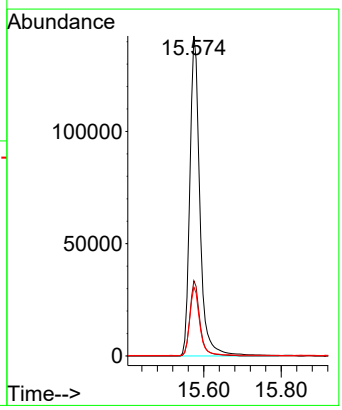




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BF143446.D
Acq: 19 Aug 2025 10:05

Tgt Ion:264 Resp: 256798

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.8	28.2
265	21.5	17.4	26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143446.D
Acq On : 19 Aug 2025 10:05
Operator : RC/JU
Sample : PB169285BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB169285BL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143446.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.316	9	21	30	rVB	44728	80833	1.84%	0.301%
2	5.175	501	507	519	rBV	247929	402429	9.15%	1.496%
3	5.569	568	574	595	rBV	2639986	3603523	81.91%	13.399%
4	6.557	736	742	774	rBV	2521136	3637783	82.69%	13.526%
5	6.928	799	805	810	rBV	624215	788837	17.93%	2.933%
6	7.481	893	899	916	rBV	1716007	2495780	56.73%	9.280%
7	8.204	1017	1022	1041	rBV	771395	1043576	23.72%	3.880%
8	9.281	1198	1205	1210	rBV	3332665	4399230	100.00%	16.358%
9	9.957	1315	1320	1338	rBV	890475	1194857	27.16%	4.443%
10	10.751	1449	1455	1486	rBV	1884942	2643421	60.09%	9.829%
11	11.445	1568	1573	1590	rBV	899836	1178559	26.79%	4.382%
12	13.027	1836	1842	1859	rBV	2936646	3864203	87.84%	14.368%
13	14.086	2017	2022	2033	rBV	469440	652979	14.84%	2.428%
14	15.574	2269	2275	2291	rBV	377208	672130	15.28%	2.499%
15	17.292	2559	2567	2587	rVB4	50286	235727	5.36%	0.877%

Sum of corrected areas: 26893867

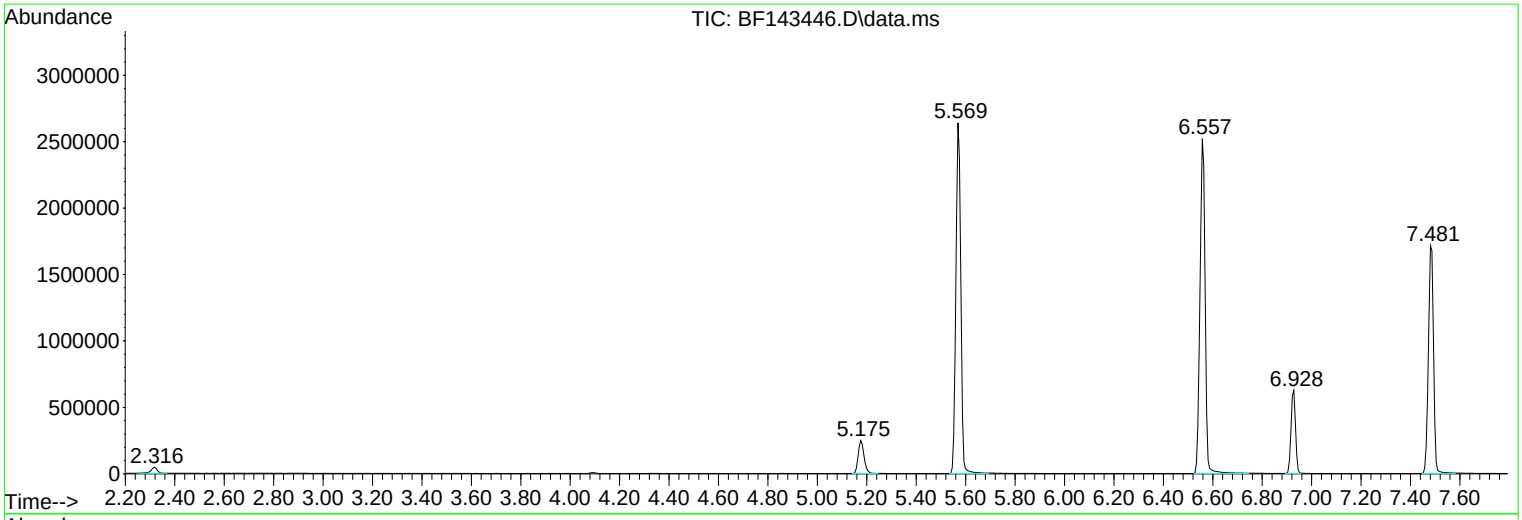
Sample Results: **BF143446.D**

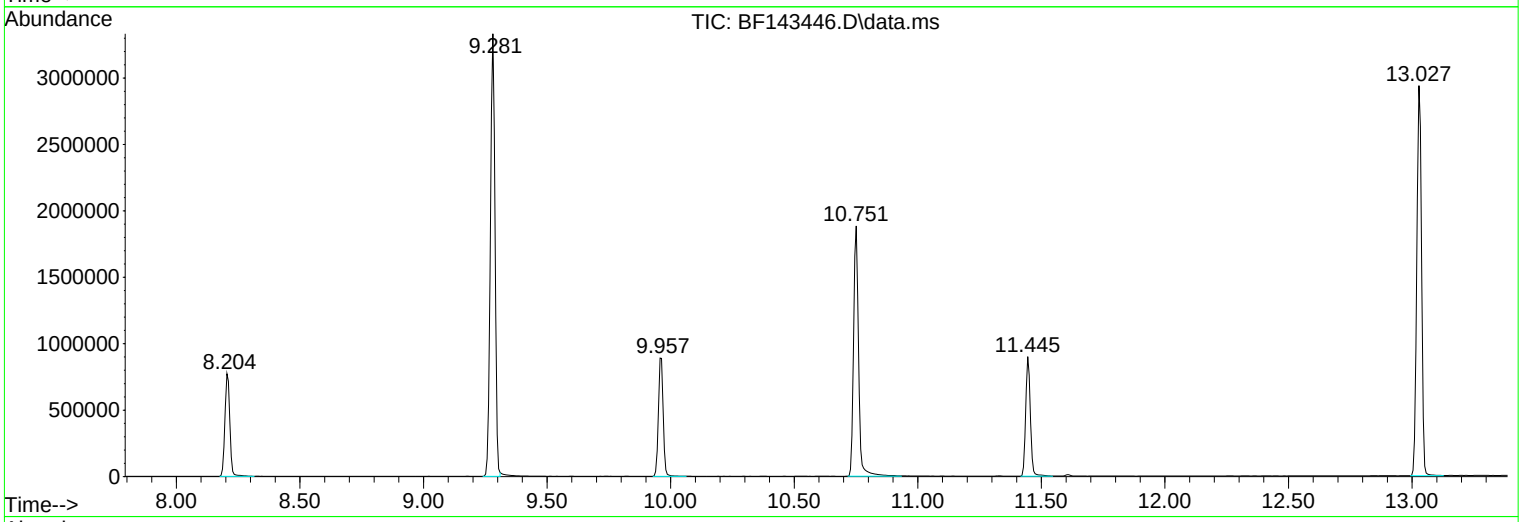
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143446.D
Acq On : 19 Aug 2025 10:05
Operator : RC/JU
Sample : PB169285BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

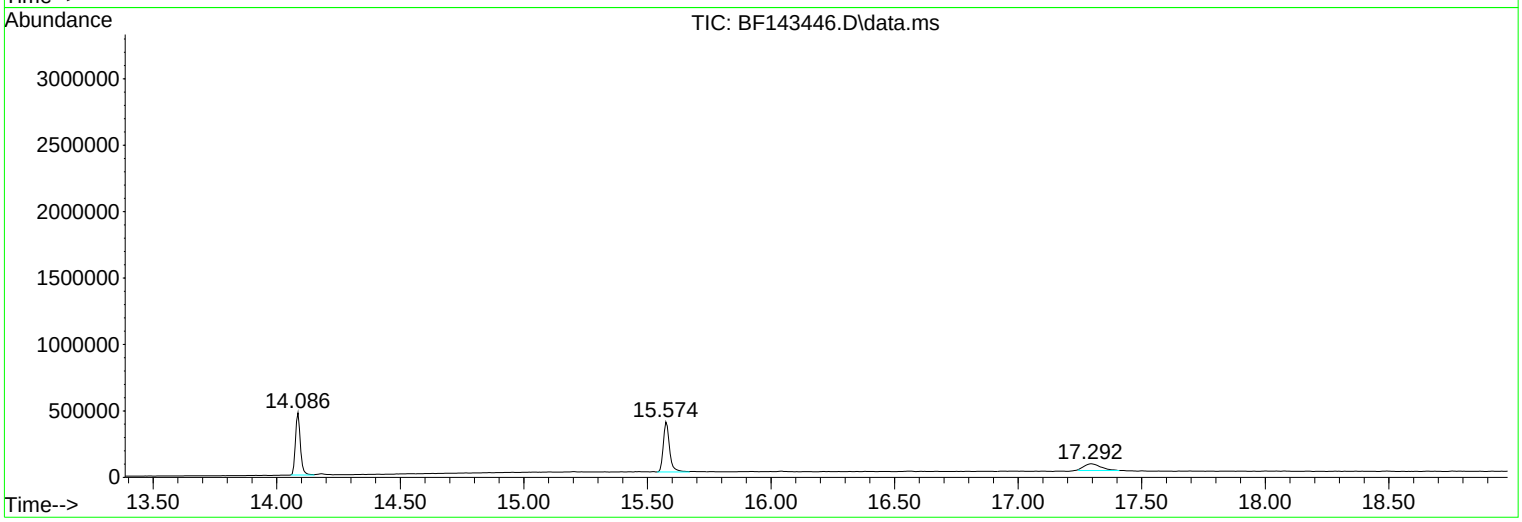
Instrument :
BNA_F
ClientSampleId :
PB169285BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143446.D
Acq On : 19 Aug 2025 10:05
Operator : RC/JU
Sample : PB169285BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB169285BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

****

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143446.D
Acq On : 19 Aug 2025 10:05
Operator : RC/JU
Sample : PB169285BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB169285BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group			Date Collected:	
Project:	Raymark Superfund Site			Date Received:	
Client Sample ID:	PB169285BS			SDG No.:	Q2879
Lab Sample ID:	PB169285BS			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group3
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143447.D	1	08/18/25 09:06	08/19/25 10:34	PB169285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	1.50		0.023	0.13	0.17	mg/Kg
91-57-6	2-Methylnaphthalene	1.40		0.026	0.13	0.17	mg/Kg
208-96-8	Acenaphthylene	1.70		0.029	0.13	0.17	mg/Kg
83-32-9	Acenaphthene	1.70		0.021	0.13	0.17	mg/Kg
86-73-7	Fluorene	1.60		0.025	0.13	0.17	mg/Kg
85-01-8	Phenanthrene	1.50		0.021	0.13	0.17	mg/Kg
120-12-7	Anthracene	1.50		0.033	0.13	0.17	mg/Kg
206-44-0	Fluoranthene	1.40		0.030	0.13	0.17	mg/Kg
129-00-0	Pyrene	1.50		0.036	0.13	0.17	mg/Kg
56-55-3	Benzo(a)anthracene	1.70		0.023	0.13	0.17	mg/Kg
218-01-9	Chrysene	1.60		0.020	0.13	0.17	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.70		0.019	0.13	0.17	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.40		0.022	0.13	0.17	mg/Kg
50-32-8	Benzo(a)pyrene	1.70		0.030	0.13	0.17	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.50		0.029	0.13	0.17	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	1.50		0.027	0.13	0.17	mg/Kg
191-24-2	Benzo(g,h,i)perylene	1.50		0.026	0.13	0.17	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	91.4		37 - 122		91%	SPK: 100
321-60-8	2-Fluorobiphenyl	86.6		44 - 115		87%	SPK: 100
1718-51-0	Terphenyl-d14	91.2		54 - 127		91%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	132000	6.928				
1146-65-2	Naphthalene-d8	509000	8.21				
15067-26-2	Acenaphthene-d10	275000	9.963				
1517-22-2	Phenanthrene-d10	445000	11.451				
1719-03-5	Chrysene-d12	219000	14.086				
1520-96-3	Perylene-d12	299000	15.58				

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group			Date Collected:	
Project:	Raymark Superfund Site			Date Received:	
Client Sample ID:	PB169285BS			SDG No.:	Q2879
Lab Sample ID:	PB169285BS			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group3
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143447.D	1	08/18/25 09:06	08/19/25 10:34	PB169285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143447.D
Acq On : 19 Aug 2025 10:34
Operator : RC/JU
Sample : PB169285BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 19 12:03:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	132148	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	508774	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	275188	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	445207	20.000	ng	0.00
76) Chrysene-d12	14.086	240	219482	20.000	ng	0.00
86) Perylene-d12	15.580	264	298768	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	939687	123.610	ng	0.02
7) Phenol-d6	6.563	99	1181533	123.329	ng	0.00
23) Nitrobenzene-d5	7.487	82	783562	91.388	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	353346	144.259	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1417654	86.649	ng	0.00
79) Terphenyl-d14	13.027	244	1191219	91.173	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.840	88	154659	42.265	ng	99
3) Pyridine	3.599	79	379545	39.547	ng	99
4) n-Nitrosodimethylamine	3.540	42	220904	49.521	ng	98
6) Aniline	6.593	93	456118	35.070	ng	92
8) 2-Chlorophenol	6.716	128	386674	46.072	ng	99
9) Benzaldehyde	6.481	77	203482	39.925	ng	98
10) Phenol	6.581	94	490077	43.837	ng	87
11) bis(2-Chloroethyl)ether	6.657	93	371401	44.818	ng	98
12) 1,3-Dichlorobenzene	6.869	146	432618	46.016	ng	100
13) 1,4-Dichlorobenzene	6.945	146	435366	46.384	ng	99
14) 1,2-Dichlorobenzene	7.098	146	415113	46.304	ng	100
15) Benzyl Alcohol	7.069	79	340635	48.214	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	626587	44.229	ng	95
17) 2-Methylphenol	7.181	107	316722	46.253	ng	99
18) Hexachloroethane	7.440	117	147442	46.150	ng	99
19) n-Nitroso-di-n-propyla...	7.340	70	267887	45.167	ng	97
20) 3+4-Methylphenols	7.334	107	371941	45.436	ng	98
22) Acetophenone	7.334	105	510127	46.634	ng	100
24) Nitrobenzene	7.504	77	419310	46.792	ng	99
25) Isophorone	7.745	82	757780	46.178	ng	99
26) 2-Nitrophenol	7.822	139	208342	50.152	ng	99
27) 2,4-Dimethylphenol	7.863	122	343371m	48.887	ng	
28) bis(2-Chloroethoxy)met...	7.951	93	453785	44.989	ng	99
29) 2,4-Dichlorophenol	8.069	162	333011	46.509	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	351909	47.968	ng	99
31) Naphthalene	8.234	128	1100133	45.546	ng	100
32) Benzoic acid	7.992	122	181934	49.805	ng	99
33) 4-Chloroaniline	8.275	127	196996	22.595	ng	99
34) Hexachlorobutadiene	8.351	225	219438	46.906	ng	100
35) Caprolactam	8.645	113	100412m	48.710	ng	
36) 4-Chloro-3-methylphenol	8.763	107	343428	46.572	ng	100
37) 2-Methylnaphthalene	8.922	142	669878	41.144	ng	100
38) 1-Methylnaphthalene	9.022	142	687519	44.074	ng	99
40) 1,2,4,5-Tetrachloroben...	9.092	216	343203	44.719	ng	99
41) Hexachlorocyclopentadiene	9.081	237	356578	123.490	ng	99
43) 2,4,6-Trichlorophenol	9.204	196	228830	47.798	ng	99

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143447.D
Acq On : 19 Aug 2025 10:34
Operator : RC/JU
Sample : PB169285BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 19 12:03:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	242581	47.270	ng	98
46) 1,1'-Biphenyl	9.386	154	902027	46.652	ng	99
47) 2-Chloronaphthalene	9.410	162	692681	45.385	ng	99
48) 2-Nitroaniline	9.504	65	219009	48.219	ng	96
49) Acenaphthylene	9.828	152	1121721	50.903	ng	99
50) Dimethylphthalate	9.681	163	806527	47.009	ng	100
51) 2,6-Dinitrotoluene	9.745	165	180033	53.231	ng	94
52) Acenaphthene	9.998	154	735147	49.601	ng	100
53) 3-Nitroaniline	9.910	138	111767	29.667	ng	99
54) 2,4-Dinitrophenol	10.022	184	170836	106.583	ng	96
55) Dibenzofuran	10.169	168	984704	46.056	ng	99
56) 4-Nitrophenol	10.081	139	236057	99.662	ng	97
57) 2,4-Dinitrotoluene	10.151	165	241594	53.578	ng	97
58) Fluorene	10.516	166	799557	48.679	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.292	232	230118	59.238	ng	99
60) Diethylphthalate	10.381	149	786748	49.623	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	399086	49.144	ng	97
62) 4-Nitroaniline	10.528	138	177734	50.445	ng	99
63) Azobenzene	10.663	77	798109	49.807	ng	99
65) 4,6-Dinitro-2-methylph...	10.563	198	129758	56.487	ng	97
66) n-Nitrosodiphenylamine	10.622	169	699527	48.323	ng	100
67) 4-Bromophenyl-phenylether	10.992	248	252143	47.961	ng	100
68) Hexachlorobenzene	11.063	284	270084	48.324	ng	99
69) Atrazine	11.145	200	206899	48.865	ng	100
70) Pentachlorophenol	11.263	266	265069	107.844	ng	99
71) Phenanthrene	11.475	178	1090159	45.218	ng	100
72) Anthracene	11.528	178	1099395	45.149	ng	99
73) Carbazole	11.680	167	880493	42.754	ng	99
74) Di-n-butylphthalate	12.004	149	933376	45.512	ng	100
75) Fluoranthene	12.663	202	908869	42.427	ng	100
77) Benzidine	12.780	184	228043	34.793	ng	99
78) Pyrene	12.892	202	885867	46.437	ng	99
80) Butylbenzylphthalate	13.498	149	269862	57.112	ng	100
81) Benzo(a)anthracene	14.080	228	693579	49.636	ng	99
82) 3,3'-Dichlorobenzidine	14.033	252	130760	31.961	ng	100
83) Chrysene	14.116	228	609997	47.220	ng	99
84) Bis(2-ethylhexyl)phtha...	14.057	149	391061	58.277	ng	98
85) Di-n-octyl phthalate	14.668	149	762651	56.035	ng	99
87) Indeno(1,2,3-cd)pyrene	17.104	276	1015180	45.311	ng	99
88) Benzo(b)fluoranthene	15.139	252	831746	51.943	ng	99
89) Benzo(k)fluoranthene	15.168	252	686452	43.464	ng	99
90) Benzo(a)pyrene	15.515	252	773479	50.715	ng	99
91) Dibenzo(a,h)anthracene	17.115	278	825082	45.858	ng	99
92) Benzo(g,h,i)perylene	17.562	276	831232	46.247	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

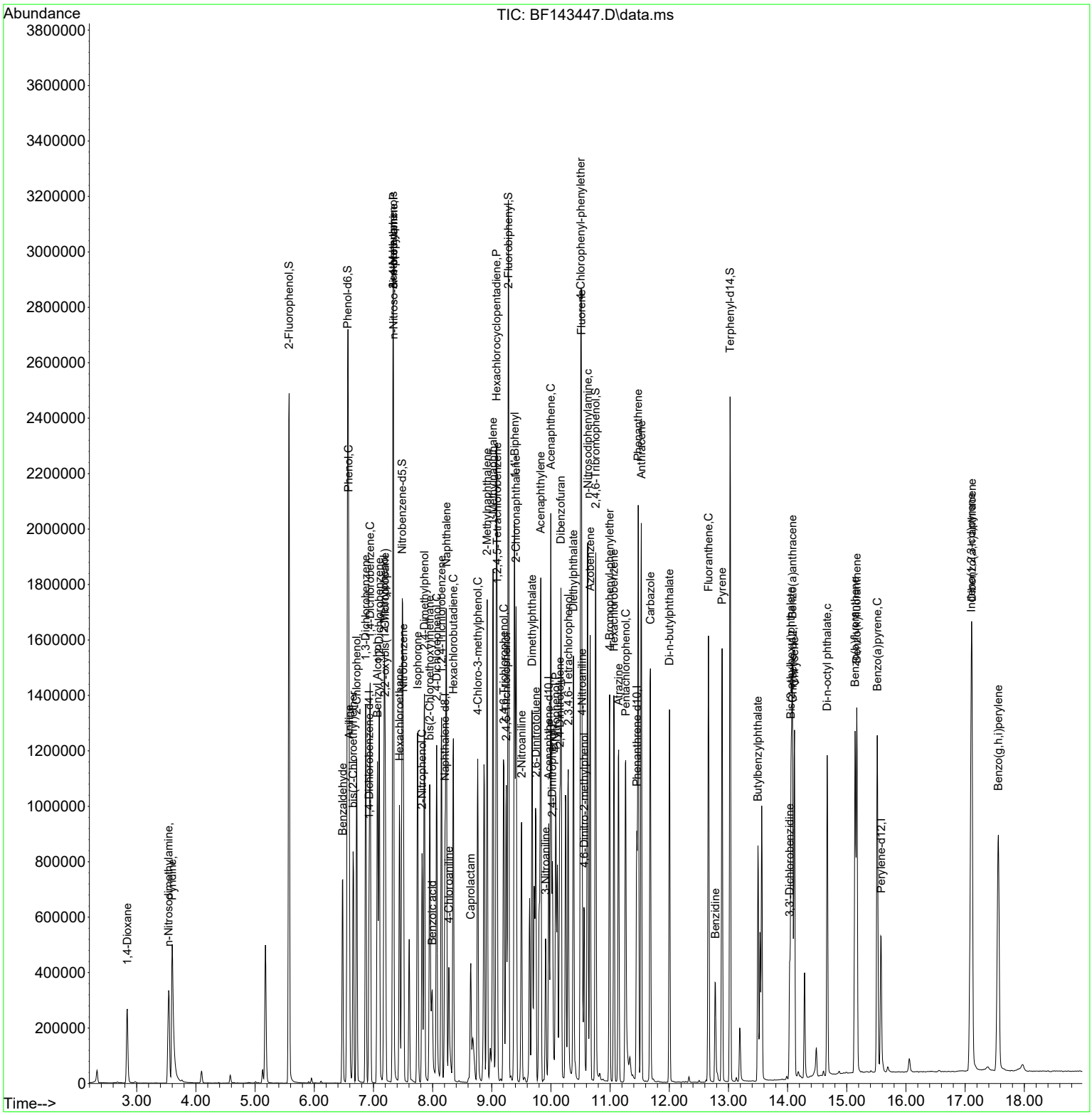
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143447.D
Acq On : 19 Aug 2025 10:34
Operator : RC/JU
Sample : PB169285BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

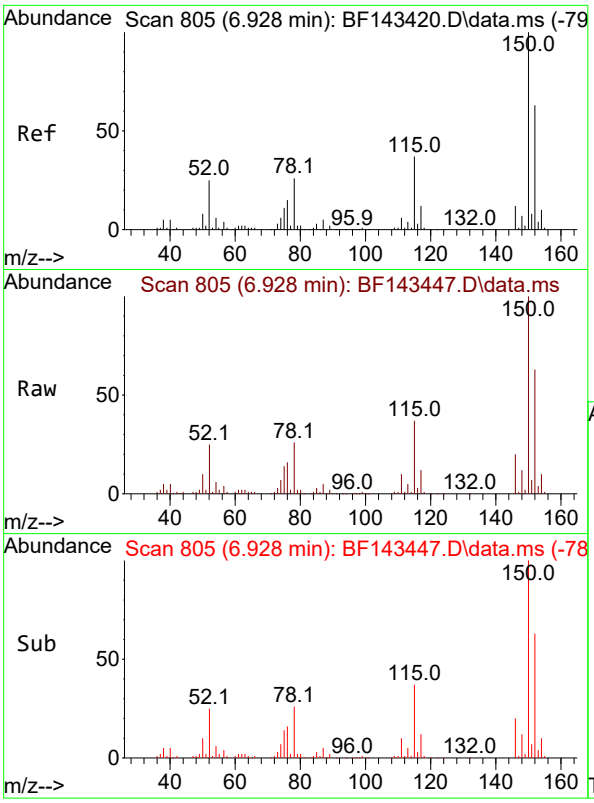
Quant Time: Aug 19 12:03:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

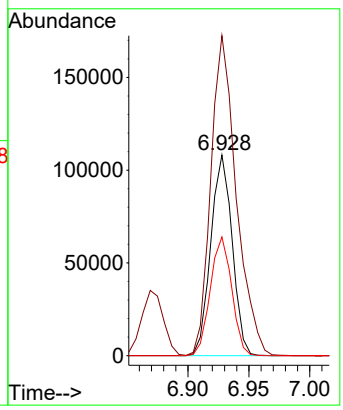




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:152 Resp: 13214

Ion	Ratio	Lower	Upper
152	100		
150	159.4	127.4	191.2
115	59.1	47.5	71.3



Instrument :
BNA_F
ClientSampleId :
PB169285BS

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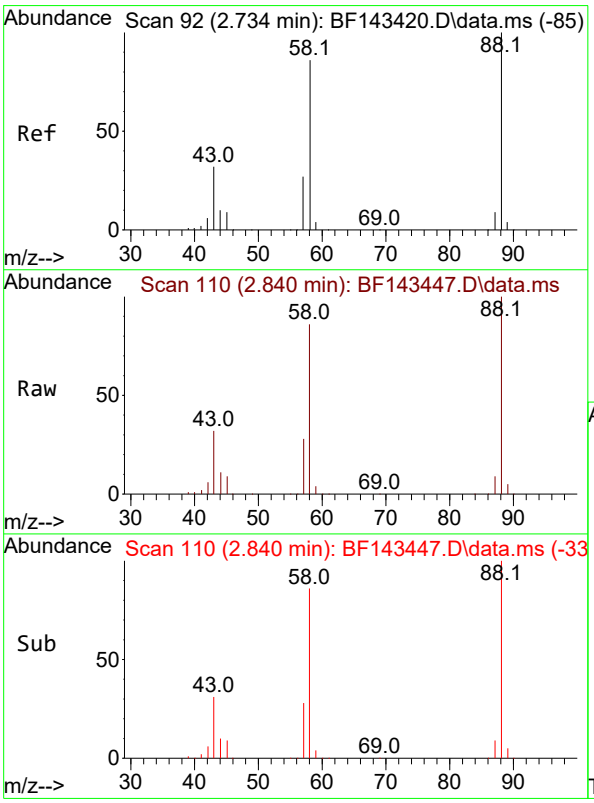
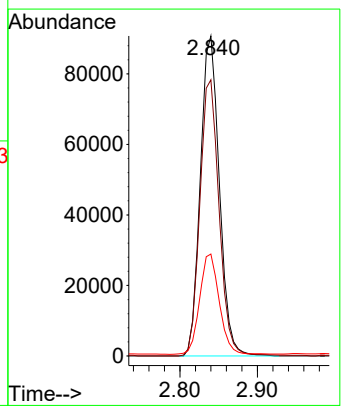
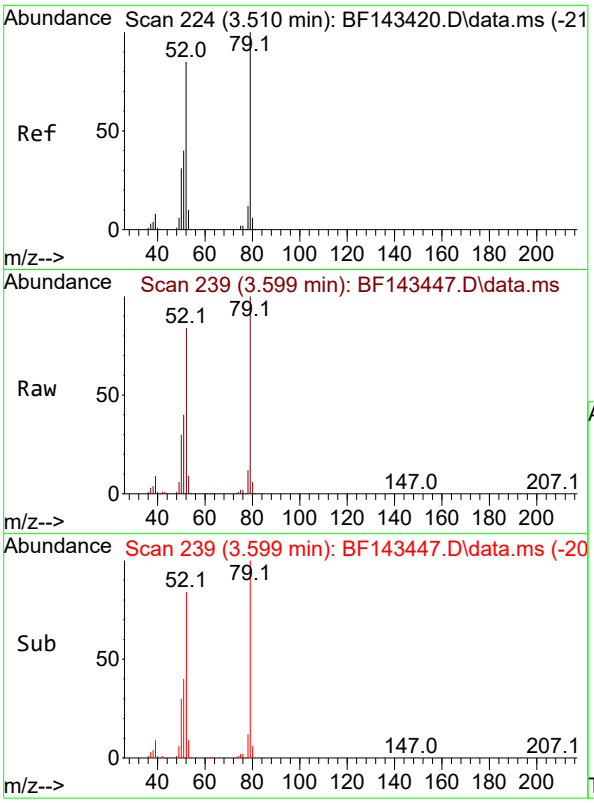


#2
1,4-Dioxane
Concen: 42.265 ng
RT: 2.840 min Scan# 110
Delta R.T. 0.106 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion: 88 Resp: 154659

Ion	Ratio	Lower	Upper
88	100		
58	87.5	68.7	103.1
43	32.3	26.1	39.1

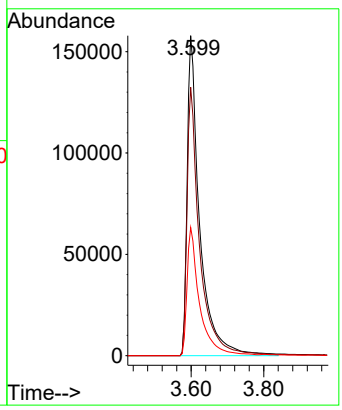




#3
Pyridine
Concen: 39.547 ng
RT: 3.599 min Scan# 2
Delta R.T. 0.088 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion: 79 Resp: 37954

Ion	Ratio	Lower	Upper
79	100		
52	83.9	67.7	101.5
51	40.0	32.3	48.5



Instrument :
BNA_F
ClientSampleId :
PB169285BS

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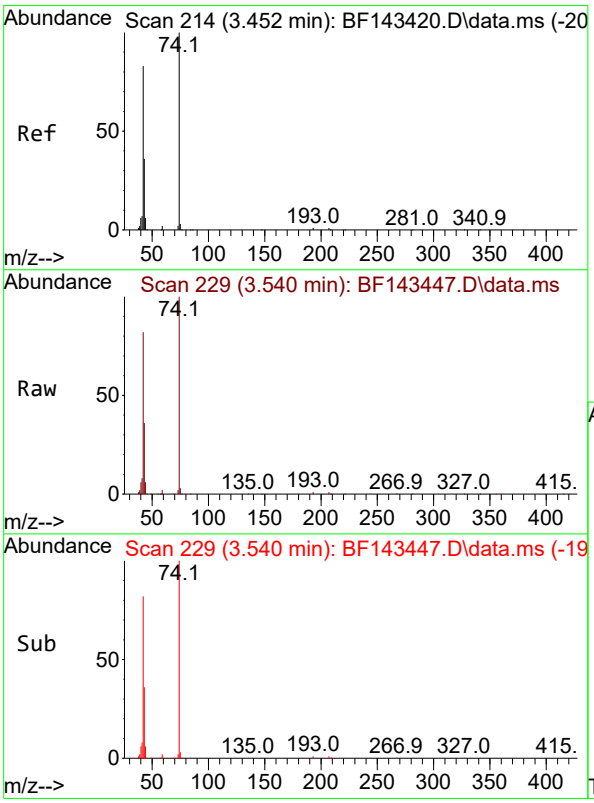
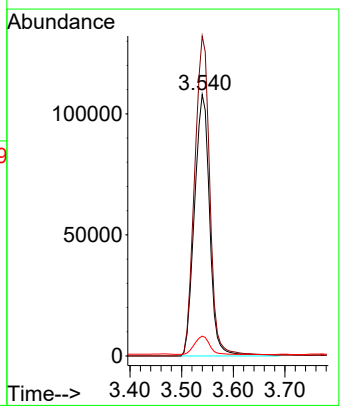
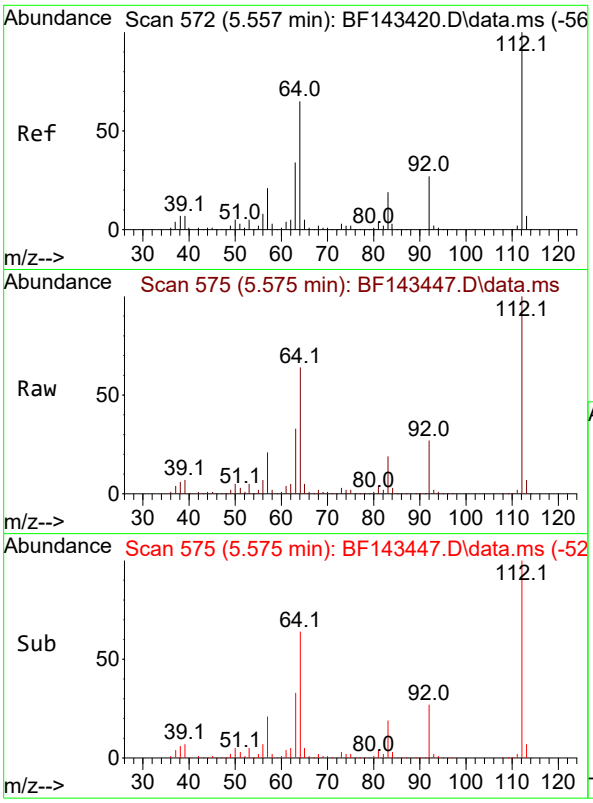


#4
n-Nitrosodimethylamine
Concen: 49.521 ng
RT: 3.540 min Scan# 229
Delta R.T. 0.088 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion: 42 Resp: 220904

Ion	Ratio	Lower	Upper
42	100		
74	122.4	96.2	144.4
44	7.6	5.9	8.9

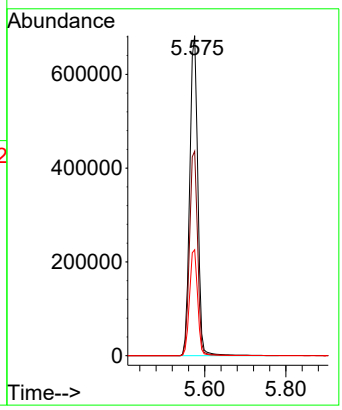




#5
2-Fluorophenol
Concen: 123.610 ng
RT: 5.575 min Scan# 5
Delta R.T. 0.018 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:112 Resp: 93968

Ion	Ratio	Lower	Upper
112	100		
64	63.9	52.2	78.2
63	33.1	27.0	40.6



Instrument :
BNA_F
ClientSampleId :
PB169285BS

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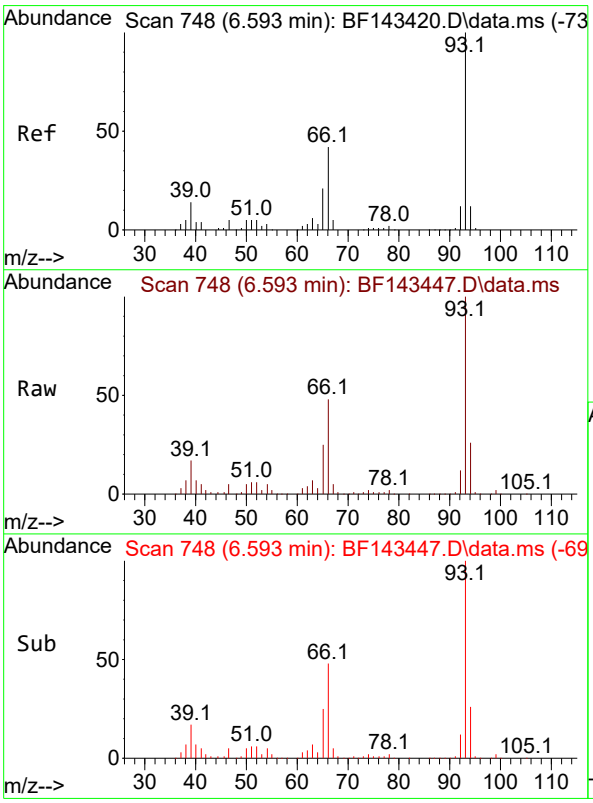
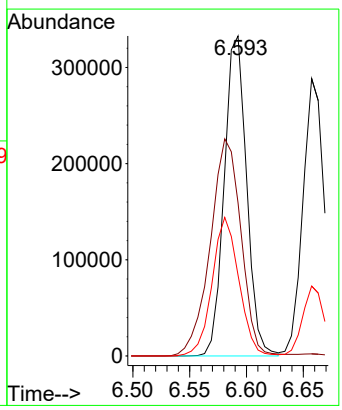
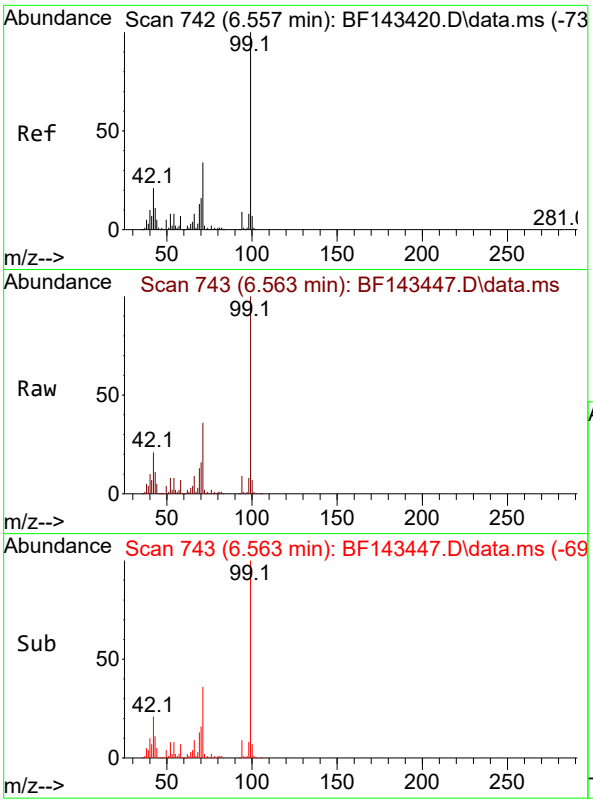


#6
Aniline
Concen: 35.070 ng
RT: 6.593 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion: 93 Resp: 456118

Ion	Ratio	Lower	Upper
93	100		
66	47.9	33.8	50.8
65	25.2	17.2	25.8

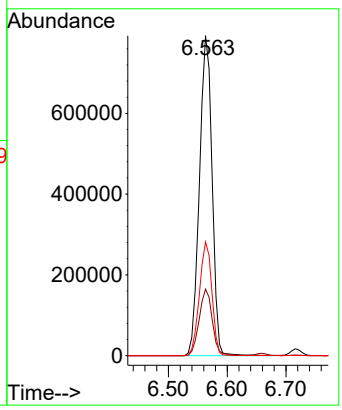




#7
Phenol-d6
Concen: 123.329 ng
RT: 6.563 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion: 99 Resp: 118153

Ion	Ratio	Lower	Upper
99	100		
42	20.8	17.0	25.6
71	35.5	27.4	41.2



Instrument :
BNA_F
ClientSampleId :
PB169285BS

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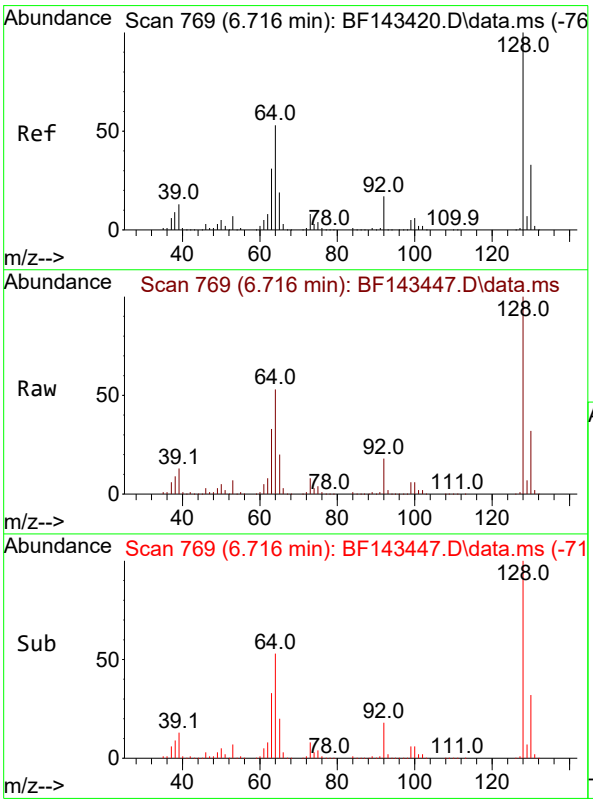
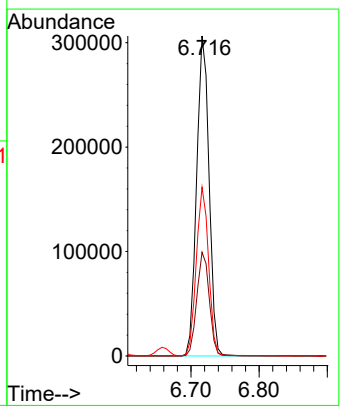
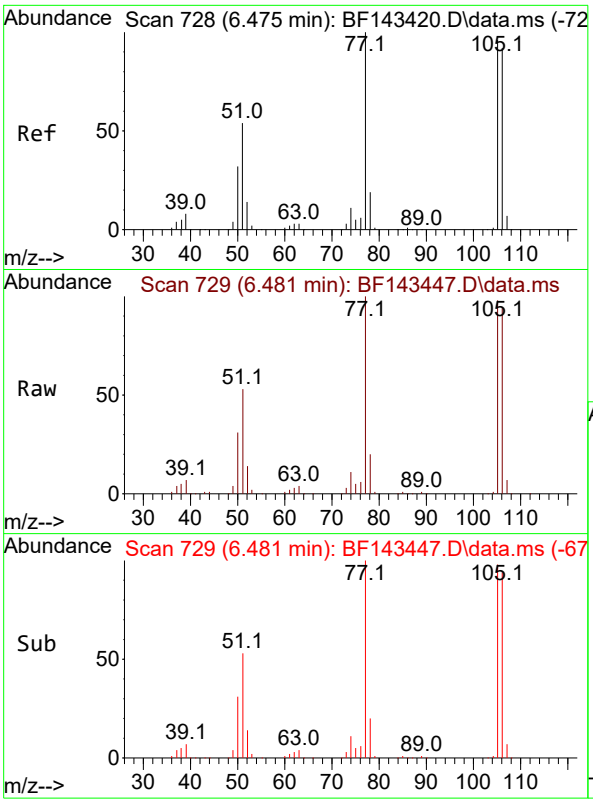


#8
2-Chlorophenol
Concen: 46.072 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:128 Resp: 386674

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.9	52.9
64	52.8	33.1	73.1

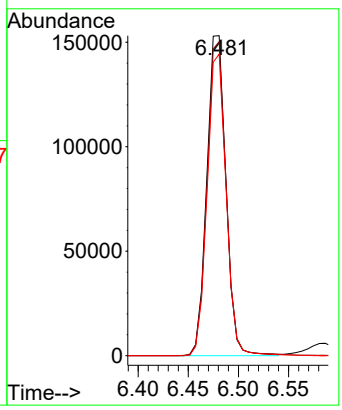




#9
Benzaldehyde
Concen: 39.925 ng
RT: 6.481 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion: 77 Resp: 20348

Ion	Ratio	Lower	Upper
77	100		
105	98.0	75.5	115.5
106	94.2	72.0	112.0



Instrument :
BNA_F
ClientSampleId :
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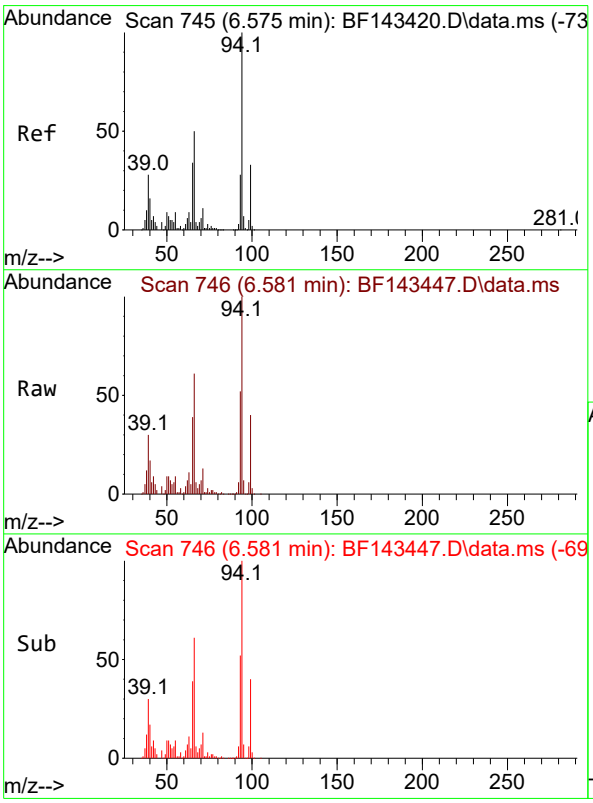
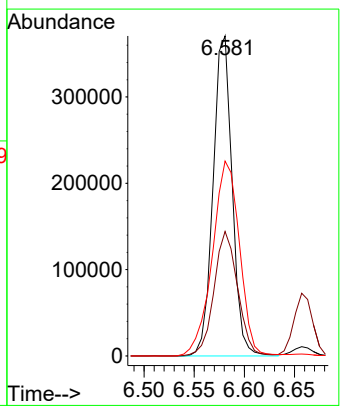
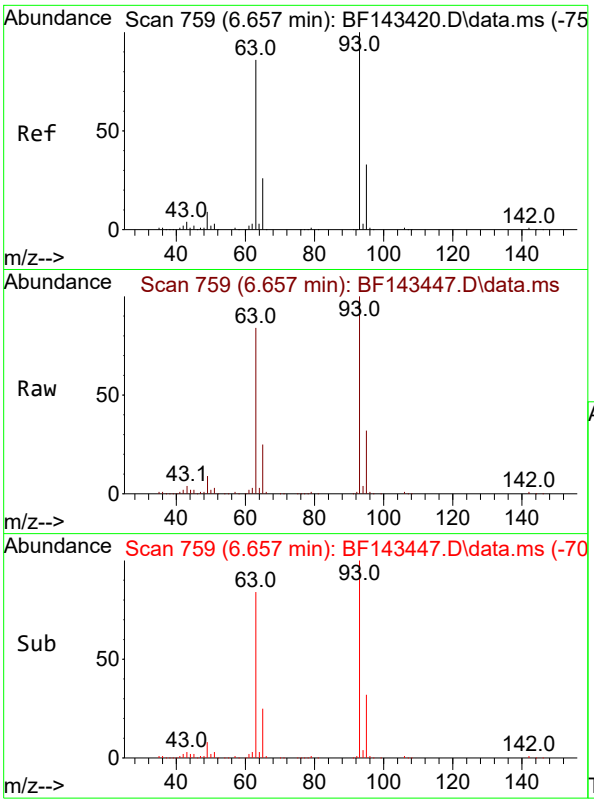


#10
Phenol
Concen: 43.837 ng
RT: 6.581 min Scan# 746
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion: 94 Resp: 490077

Ion	Ratio	Lower	Upper
94	100		
65	38.9	13.7	53.7
66	60.9	30.3	70.3

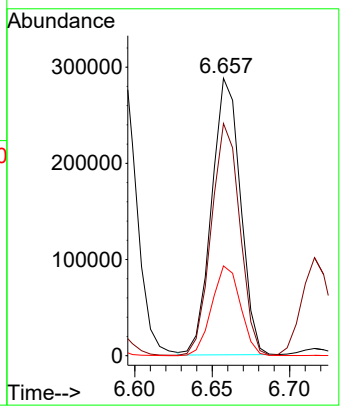




#11
bis(2-Chloroethyl)ether
Concen: 44.818 ng
RT: 6.657 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion: 93 Resp: 37140

Ion	Ratio	Lower	Upper
93	100		
63	83.7	65.4	105.4
95	32.4	12.8	52.8



Instrument :
BNA_F
ClientSampleId :
PB169285BS

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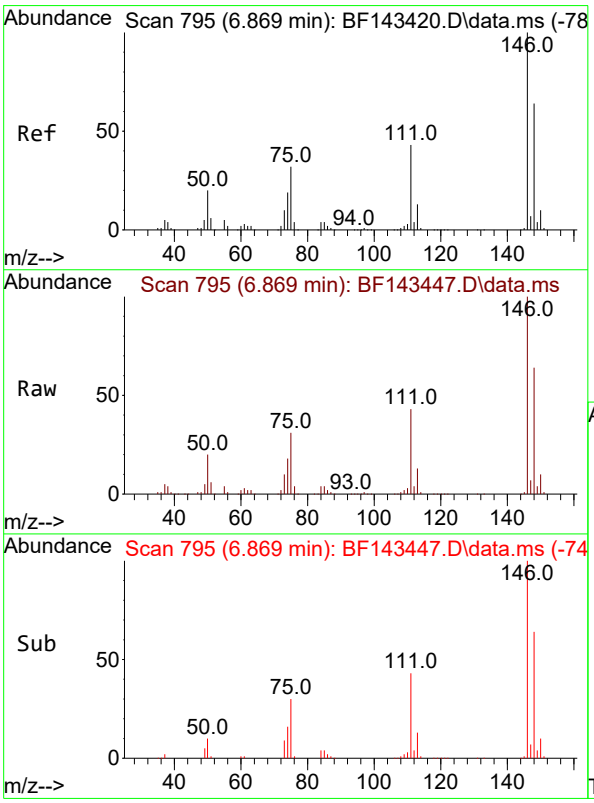
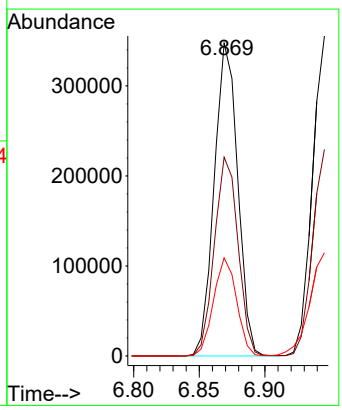
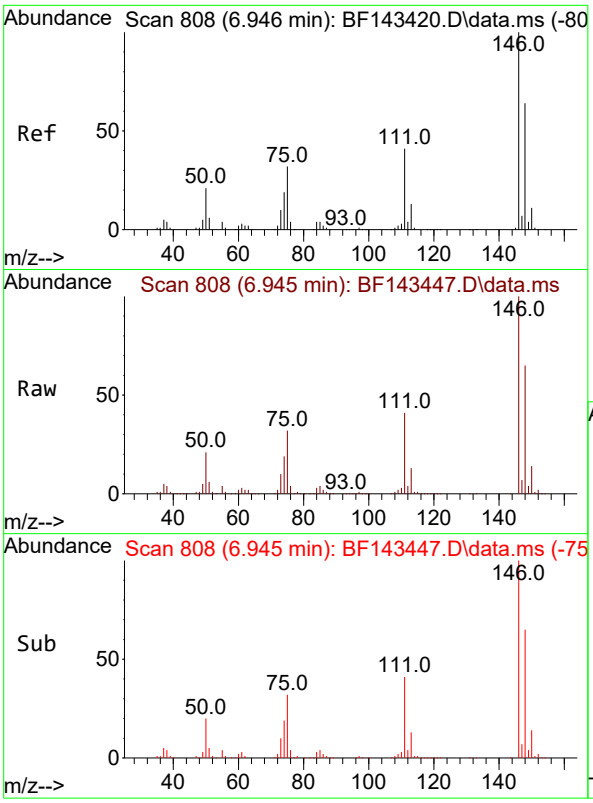


#12
1,3-Dichlorobenzene
Concen: 46.016 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:146 Resp: 432618

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.0	76.4
75	31.4	25.3	37.9

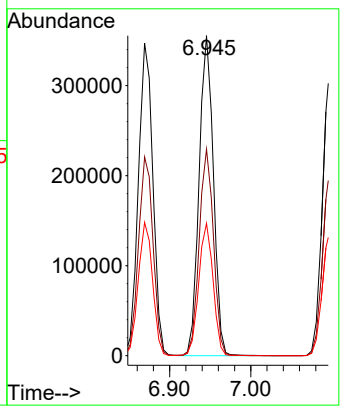




#13
1,4-Dichlorobenzene
Concen: 46.384 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:146 Resp: 43536

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.1	76.7
111	41.3	32.5	48.7



Instrument :
BNA_F
ClientSampleId :
PB169285BS

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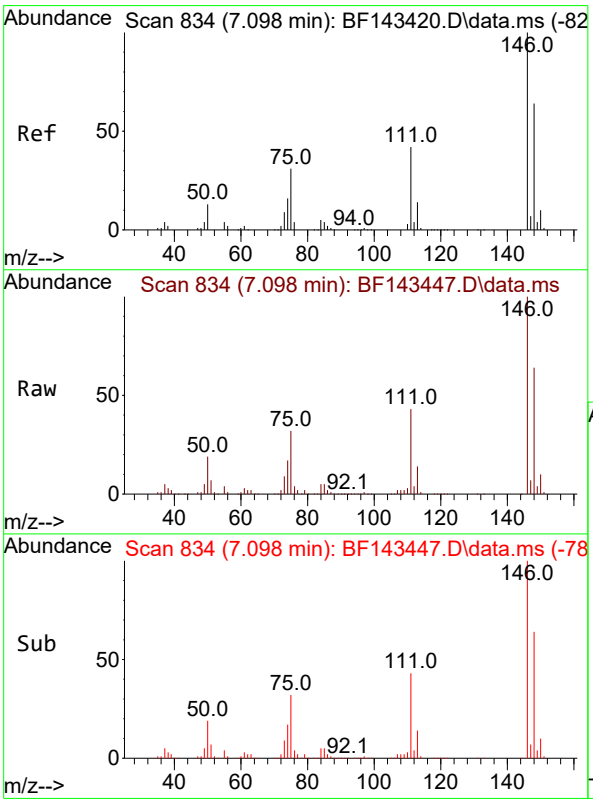
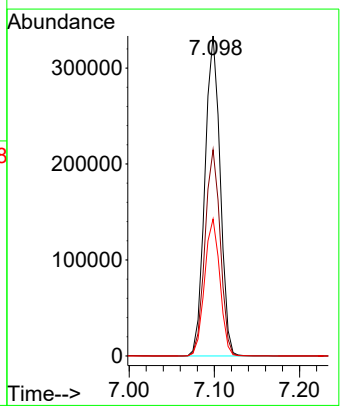
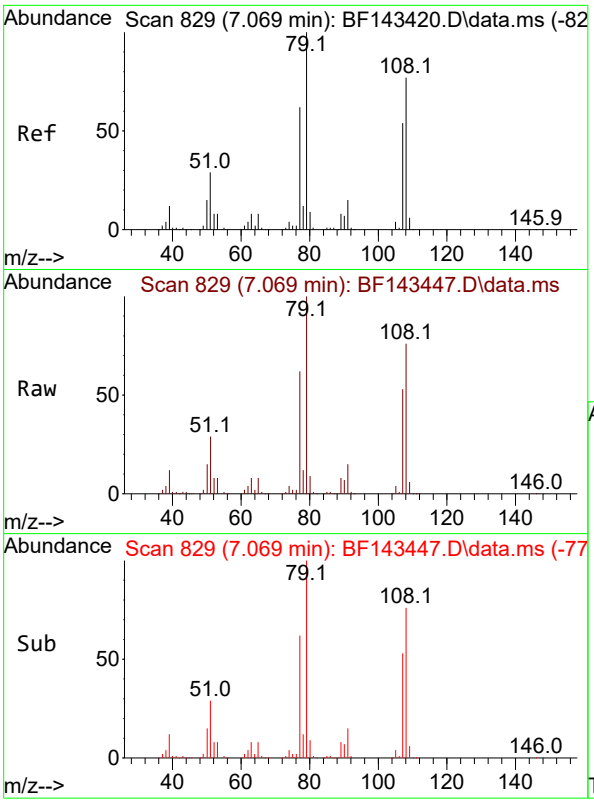


#14
1,2-Dichlorobenzene
Concen: 46.304 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:146 Resp: 415113

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.4	77.0
111	42.8	33.9	50.9





#15
Benzyl Alcohol
Concen: 48.214 ng
RT: 7.069 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion: 79 Resp: 34063

Ion	Ratio	Lower	Upper
79	100		
108	76.4	61.9	92.9
77	61.9	49.2	73.8

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Manual Integrations
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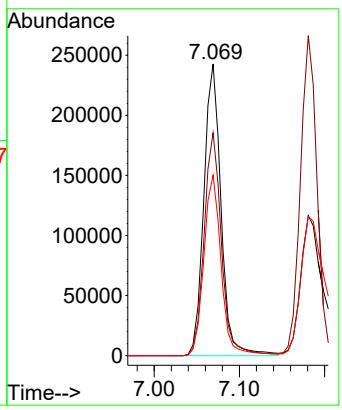
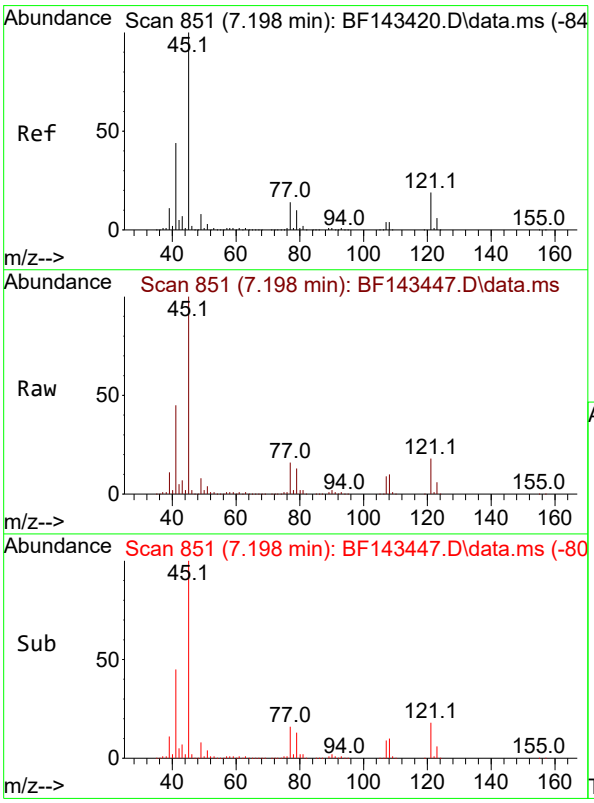
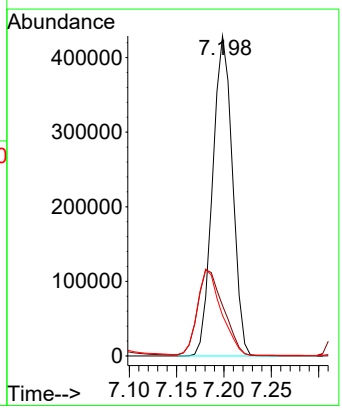


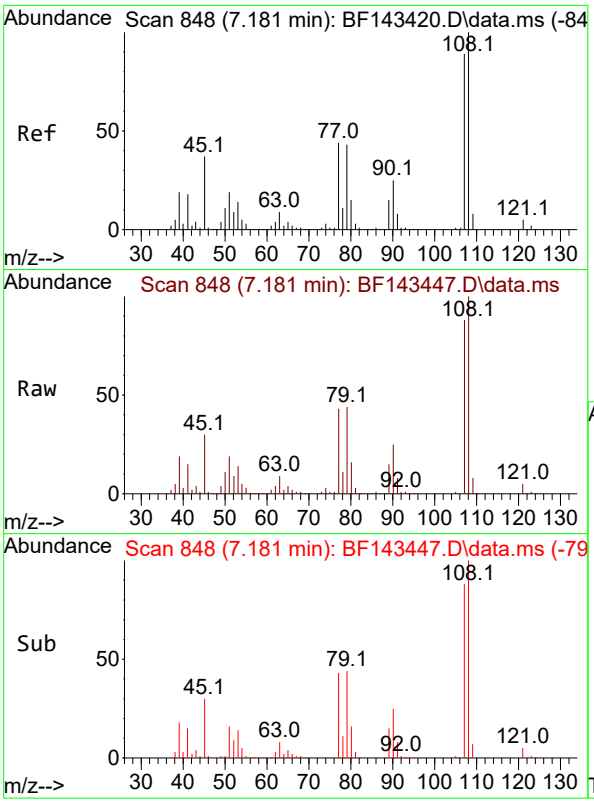


#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.229 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion: 45 Resp: 626587

Ion	Ratio	Lower	Upper
45	100		
77	15.8	0.0	33.9
79	12.7	0.0	30.7

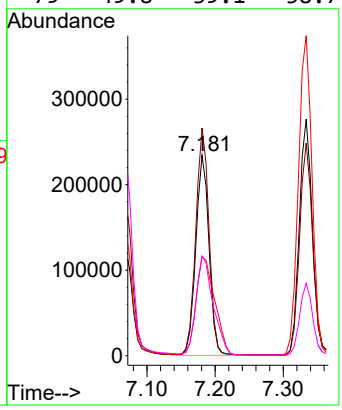




#17
2-Methylphenol
Concen: 46.253 ng
RT: 7.181 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:107 Resp: 31672

Ion	Ratio	Lower	Upper
107	100		
108	113.7	90.1	135.1
77	49.4	39.9	59.9
79	49.8	39.1	58.7



Instrument :
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ClientSampleId :
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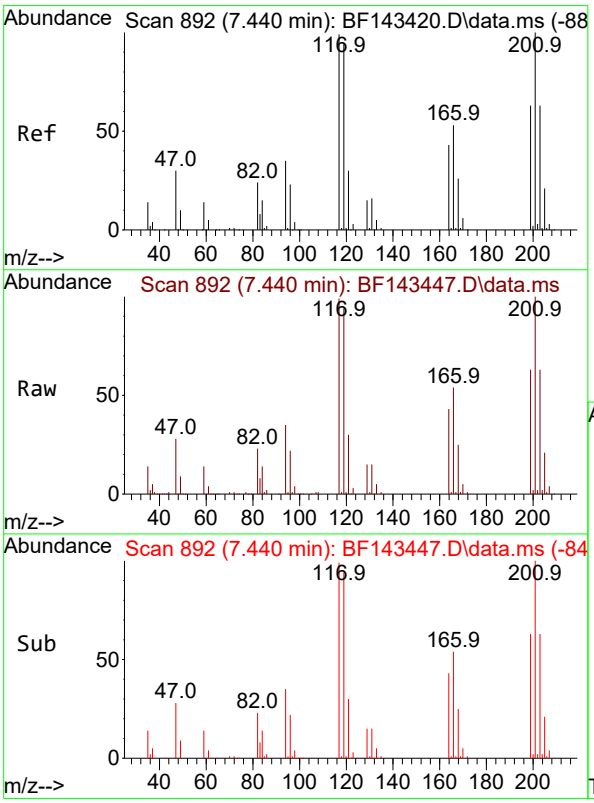
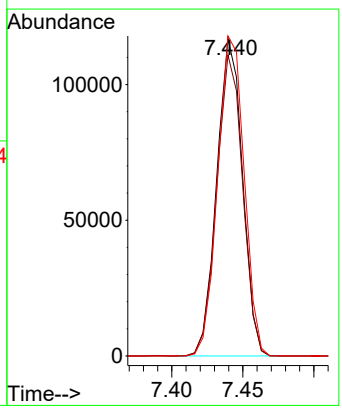
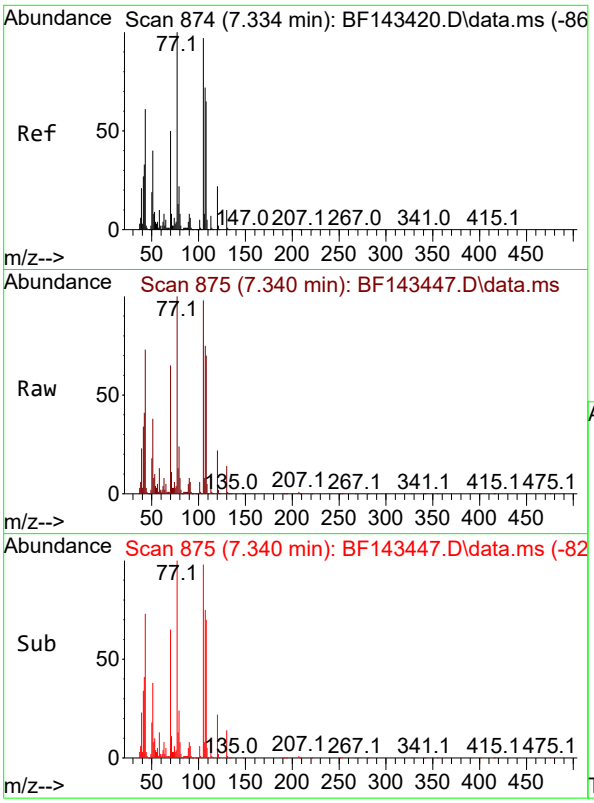


#18
Hexachloroethane
Concen: 46.150 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:117 Resp: 147442

Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.6	114.8
201	100.8	81.0	121.4

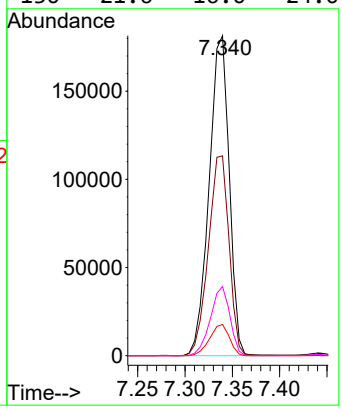




#19
n-Nitroso-di-n-propylamine
Concen: 45.167 ng
RT: 7.340 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion: 70 Resp: 26788

Ion	Ratio	Lower	Upper
70	100		
42	62.5	52.5	78.7
101	9.7	7.9	11.9
130	21.6	16.0	24.0



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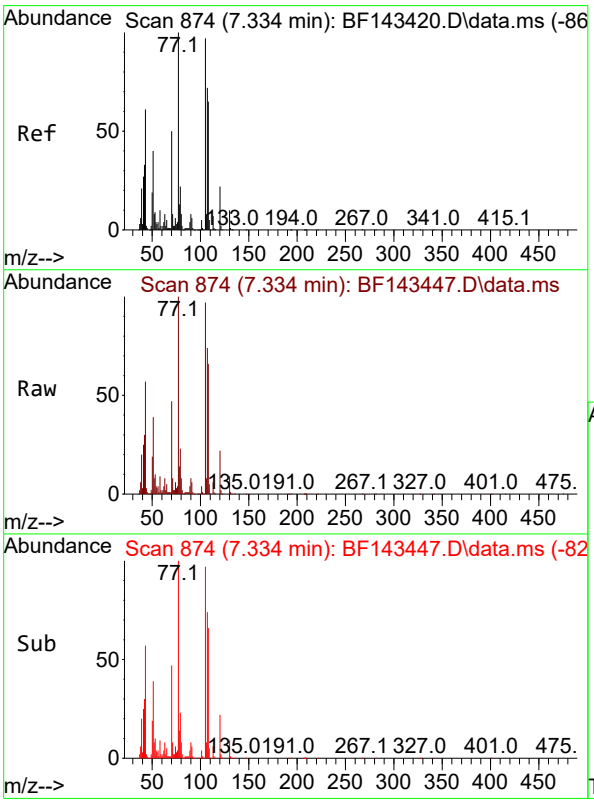
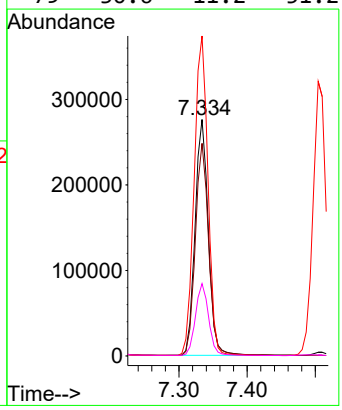
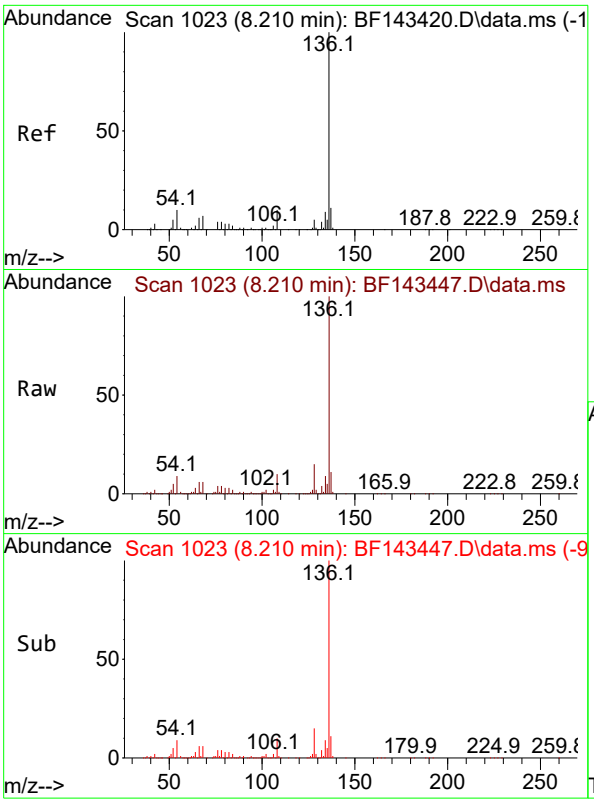


#20
3+4-Methylphenols
Concen: 45.436 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:107 Resp: 371941

Ion	Ratio	Lower	Upper
107	100		
108	89.9	70.8	110.8
77	135.3	119.1	159.1
79	30.6	11.2	51.2

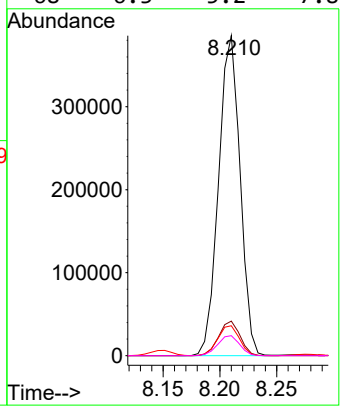




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:136 Resp: 50877

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	9.4	7.8	11.8
68	6.3	5.2	7.8



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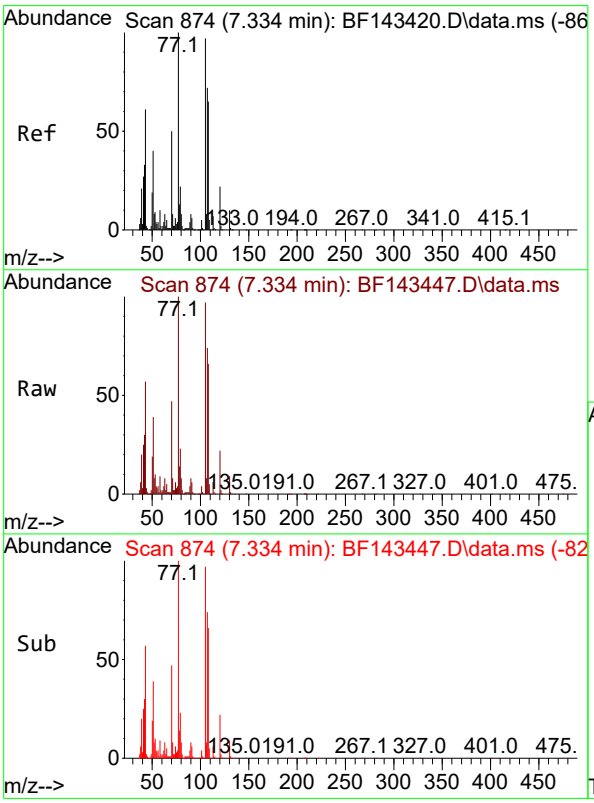
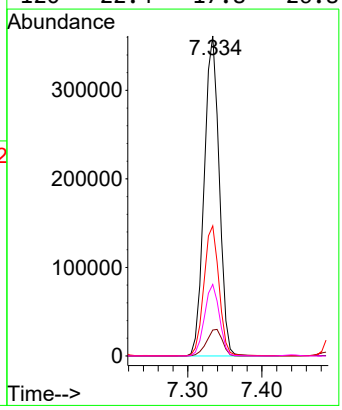
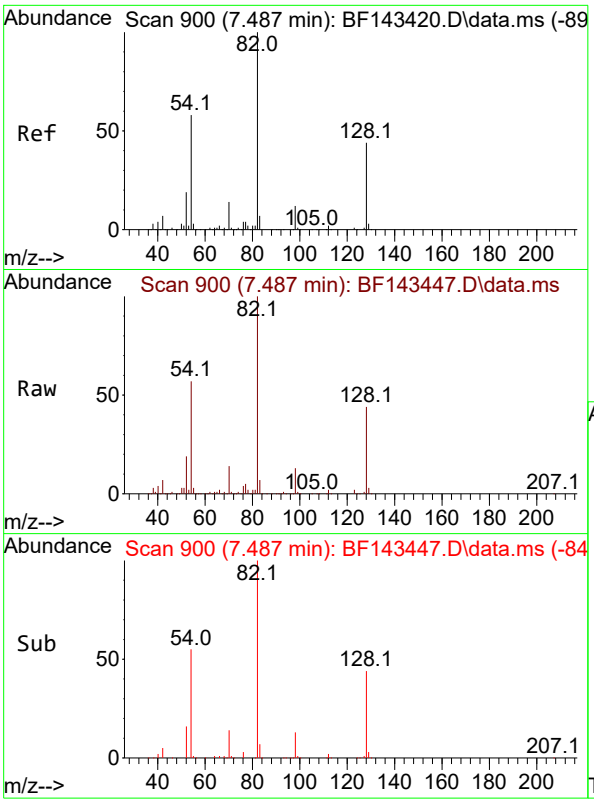


#22
Acetophenone
Concen: 46.634 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:105 Resp: 510127

Ion	Ratio	Lower	Upper
105	100		
71	8.1	7.0	10.4
51	40.7	32.7	49.1
120	22.4	17.8	26.8





#23
Nitrobenzene-d5
Concen: 91.388 ng
RT: 7.487 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion: 82 Resp: 78356

Ion	Ratio	Lower	Upper
82	100		
128	43.6	34.6	52.0
54	57.1	46.0	69.0

Instrument :
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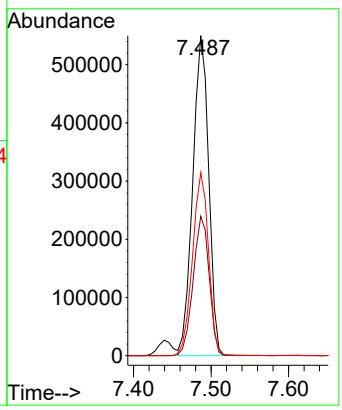
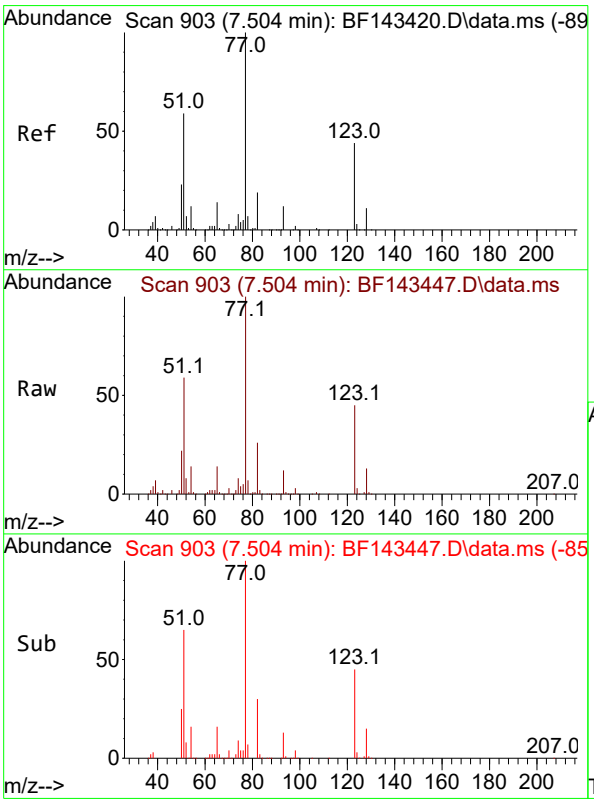
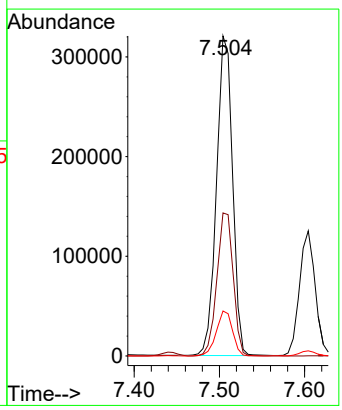


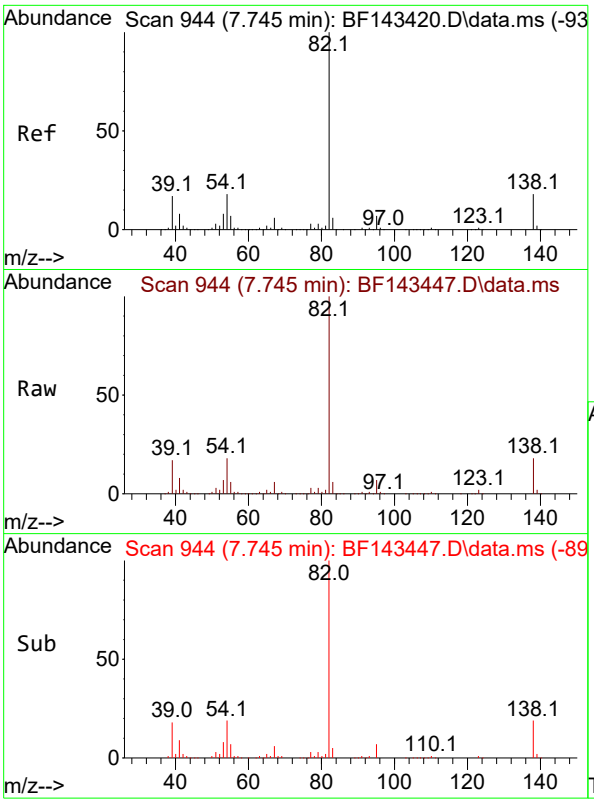


#24
Nitrobenzene
Concen: 46.792 ng
RT: 7.504 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion: 77 Resp: 419310

Ion	Ratio	Lower	Upper
77	100		
123	44.7	35.4	53.0
65	14.0	11.2	16.8

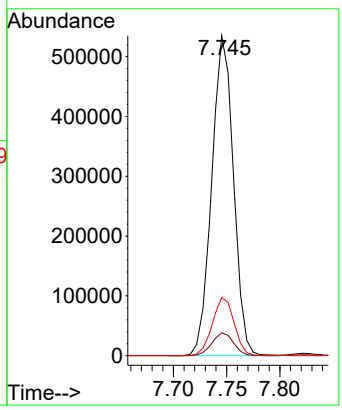




#25
Isophorone
Concen: 46.178 ng
RT: 7.745 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion: 82 Resp: 75778

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.6	8.4
138	18.1	14.3	21.5



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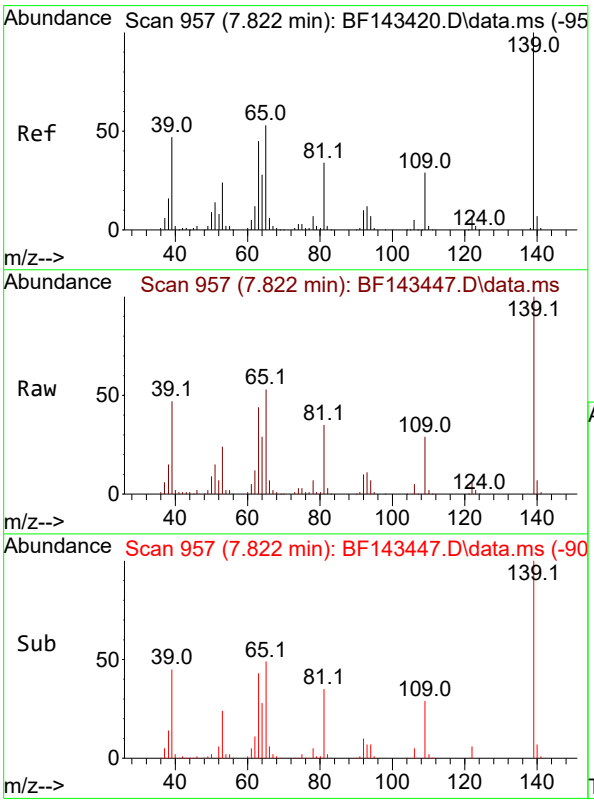
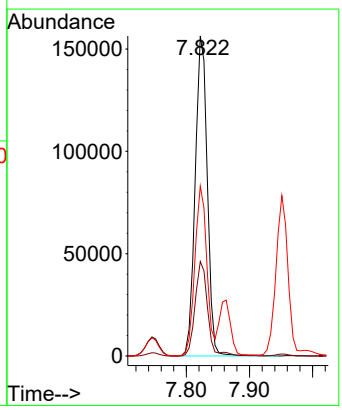
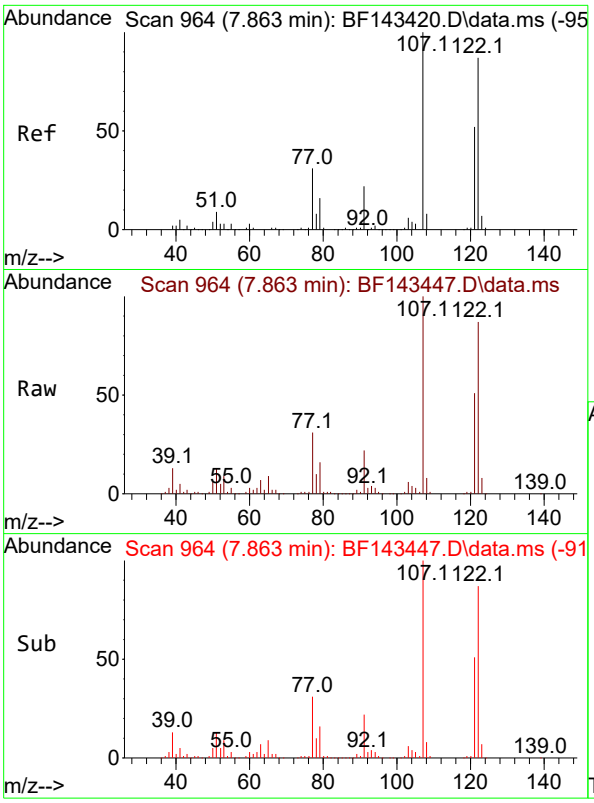


#26
2-Nitrophenol
Concen: 50.152 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:139 Resp: 208342

Ion	Ratio	Lower	Upper
139	100		
109	29.5	23.0	34.4
65	53.1	42.5	63.7

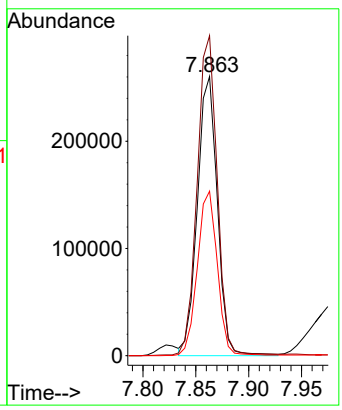




#27
2,4-Dimethylphenol
Concen: 48.887 ng m
RT: 7.863 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:122 Resp: 34337

Ion	Ratio	Lower	Upper
122	100		
107	114.6	90.4	135.6
121	58.9	46.7	70.1



Instrument :
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ClientSampleId :
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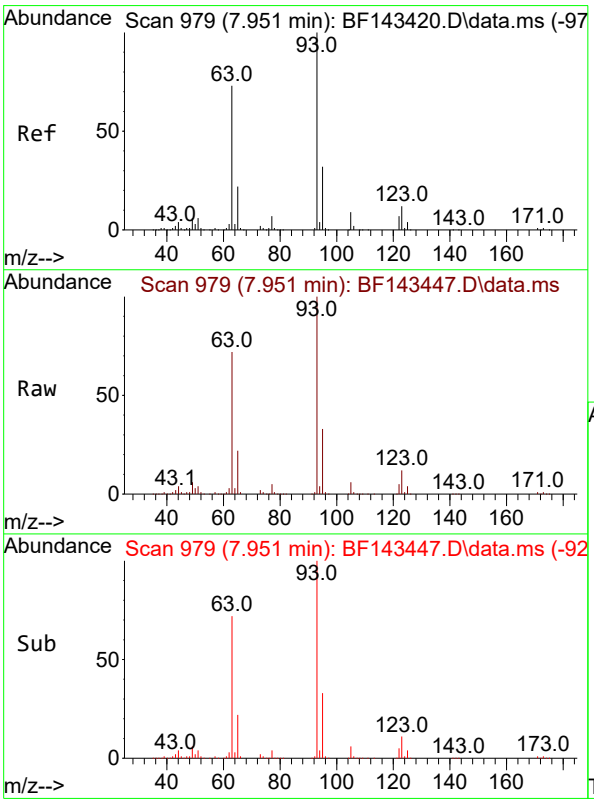
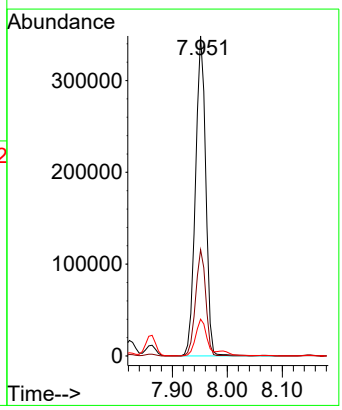
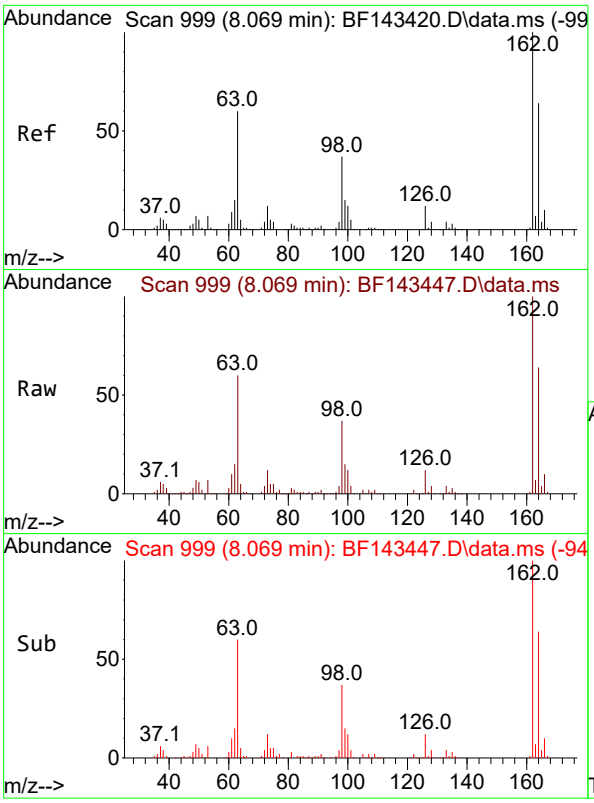


#28
bis(2-Chloroethoxy)methane
Concen: 44.989 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion: 93 Resp: 453785

Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.0	39.0
123	11.5	9.5	14.3

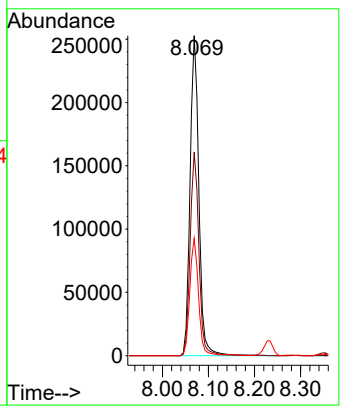




#29
2,4-Dichlorophenol
Concen: 46.509 ng
RT: 8.069 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:162 Resp: 33301

Ion	Ratio	Lower	Upper
162	100		
164	63.6	44.3	84.3
98	36.7	16.9	56.9



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ClientSampleId :
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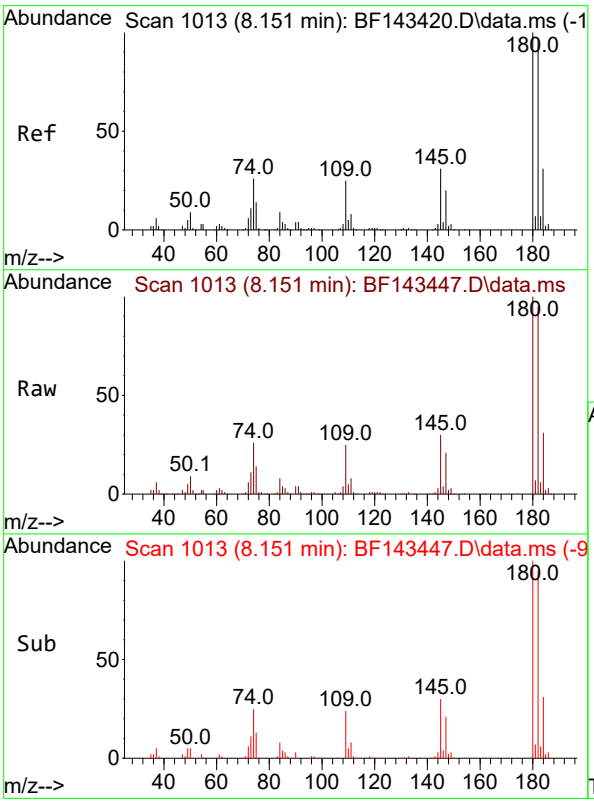
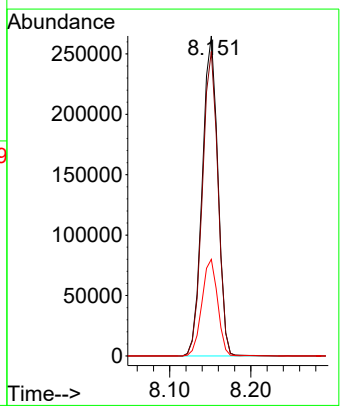
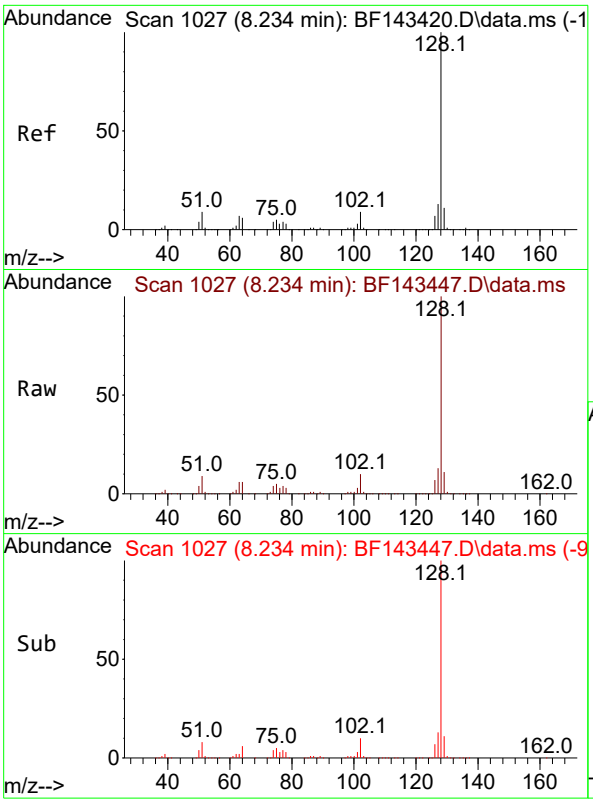


#30
1,2,4-Trichlorobenzene
Concen: 47.968 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:180 Resp: 351909

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.7	115.1
145	30.2	24.5	36.7

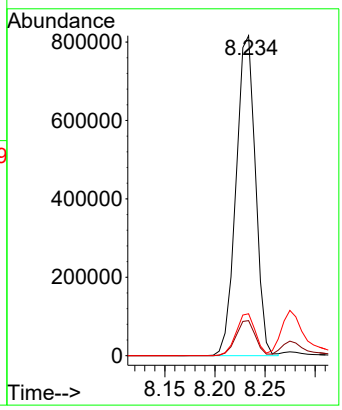




#31
Naphthalene
Concen: 45.546 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:128 Resp: 110013

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	13.1	10.6	16.0



Instrument :
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ClientSampleId :
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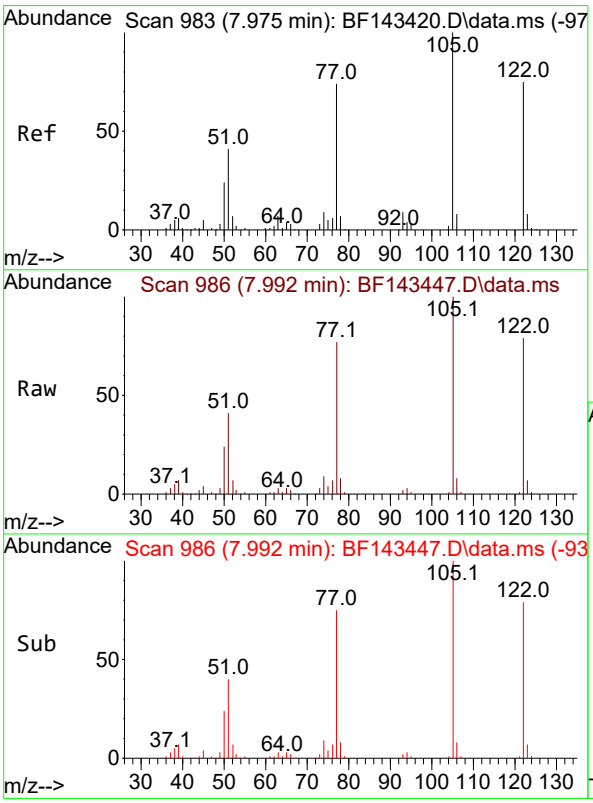
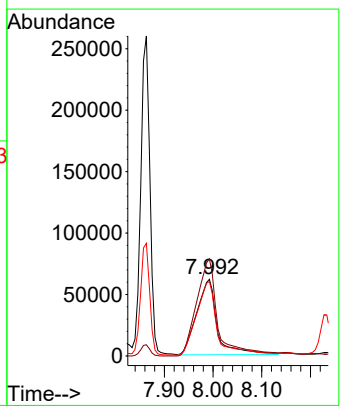
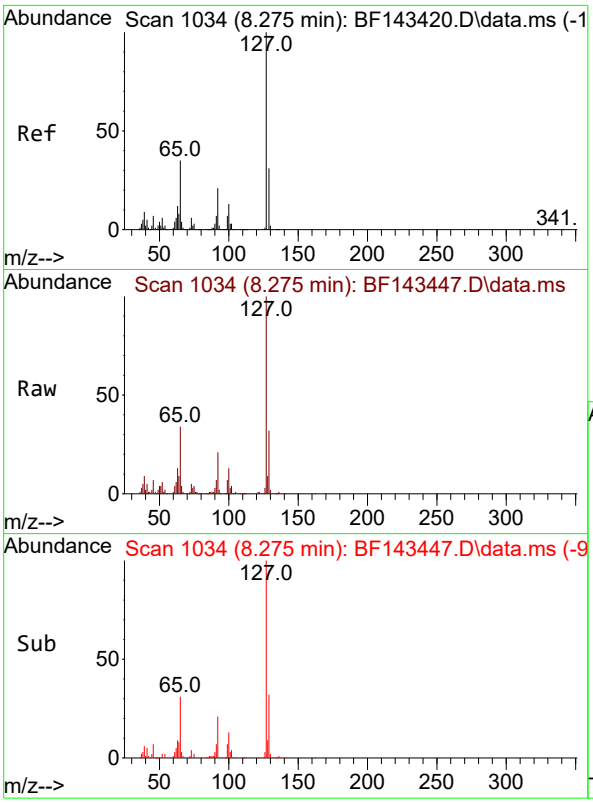


#32
Benzoic acid
Concen: 49.805 ng
RT: 7.992 min Scan# 986
Delta R.T. 0.017 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:122 Resp: 181934

Ion	Ratio	Lower	Upper
122	100		
105	126.7	108.4	148.4
77	97.2	75.9	115.9

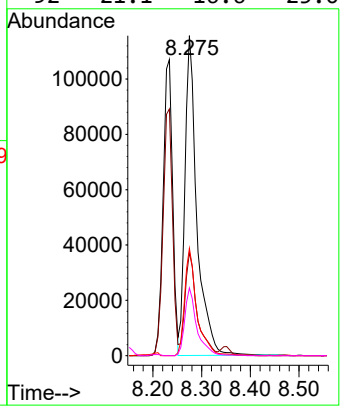




#33
4-Chloroaniline
Concen: 22.595 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:127 Resp: 19699

Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.8	38.8
65	33.5	27.2	40.8
92	21.1	16.6	25.0



Instrument :
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ClientSampleId :
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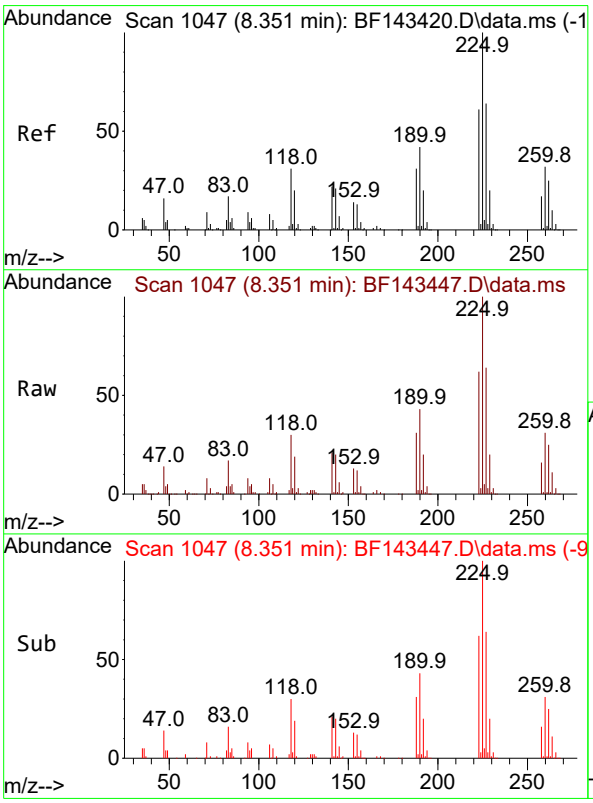
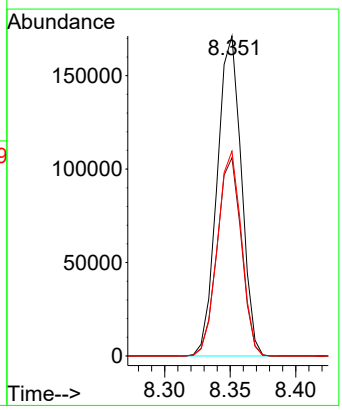
Supervised By :Jagrut Upadhyay 08/20/2025

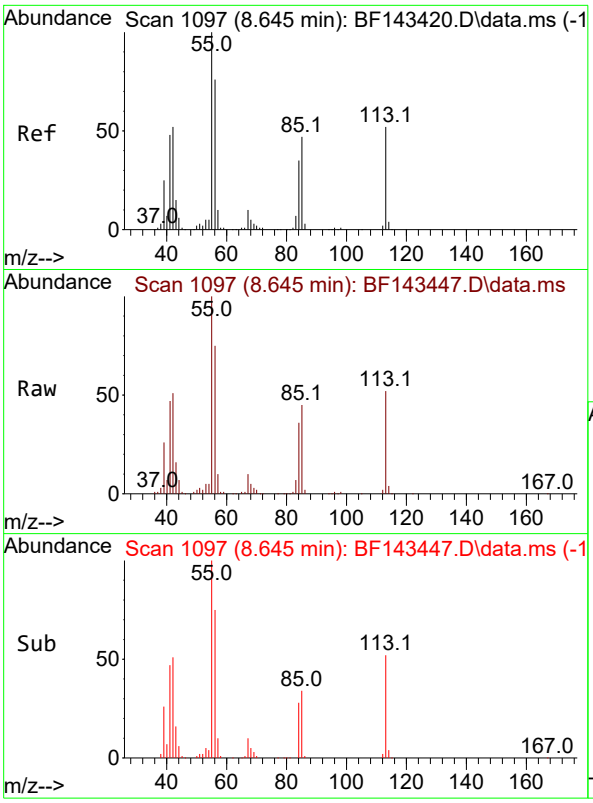


#34
Hexachlorobutadiene
Concen: 46.906 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:225 Resp: 219438

Ion	Ratio	Lower	Upper
225	100		
223	62.0	49.0	73.6
227	64.0	51.1	76.7

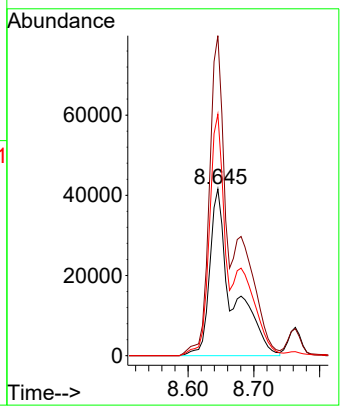




#35
Caprolactam
Concen: 48.710 ng m
RT: 8.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:113 Resp: 10041

Ion	Ratio	Lower	Upper
113	100		
55	192.0	174.7	214.7
56	144.8	127.0	167.0



Instrument :
BNA_F
ClientSampleId :
PB169285BS

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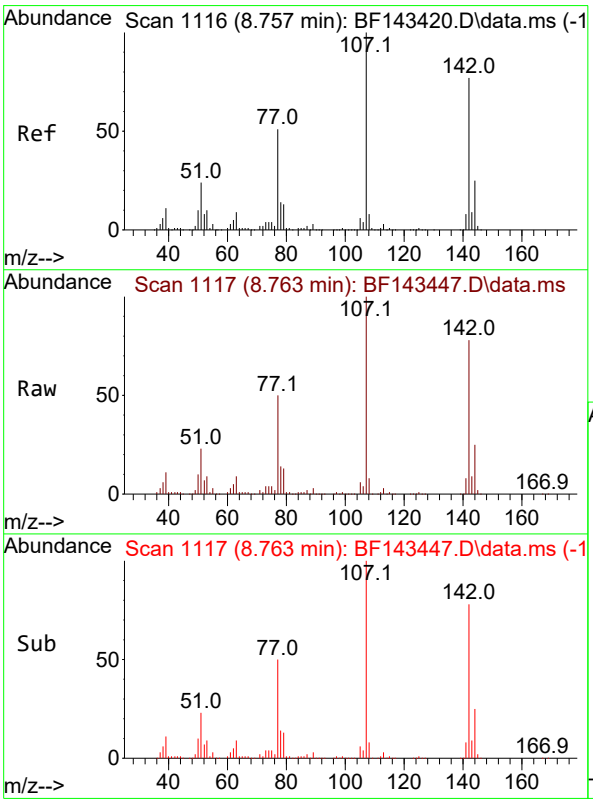
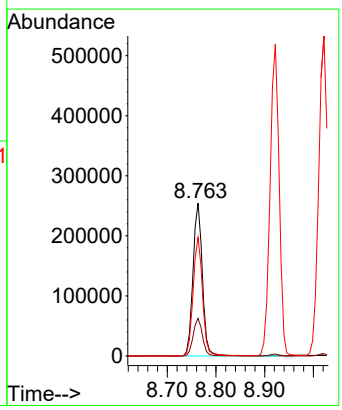
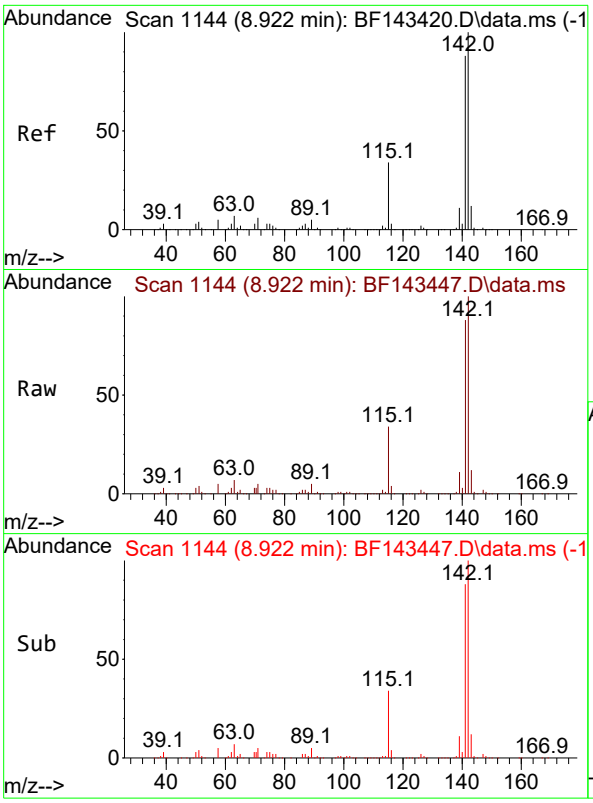


#36
4-Chloro-3-methylphenol
Concen: 46.572 ng
RT: 8.763 min Scan# 1117
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:107 Resp: 343428

Ion	Ratio	Lower	Upper
107	100		
144	24.7	20.2	30.2
142	77.6	62.0	93.0

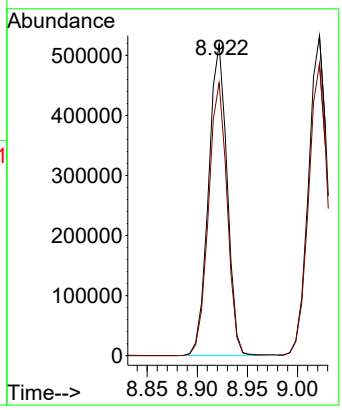




#37
2-Methylnaphthalene
Concen: 41.144 ng
RT: 8.922 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:142 Resp: 66987

Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.3	105.5



Instrument :
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ClientSampleId :
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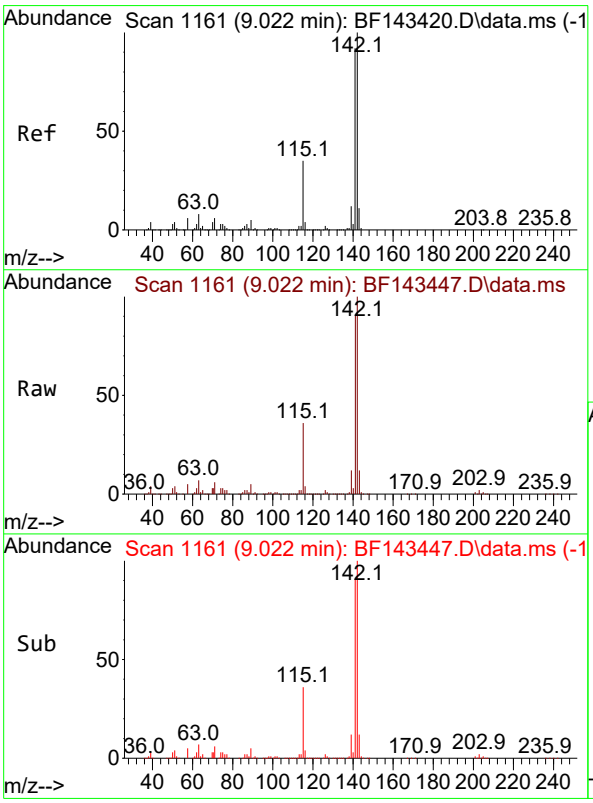
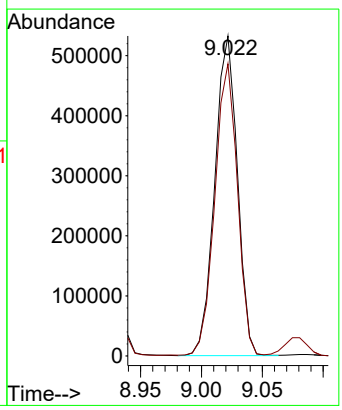
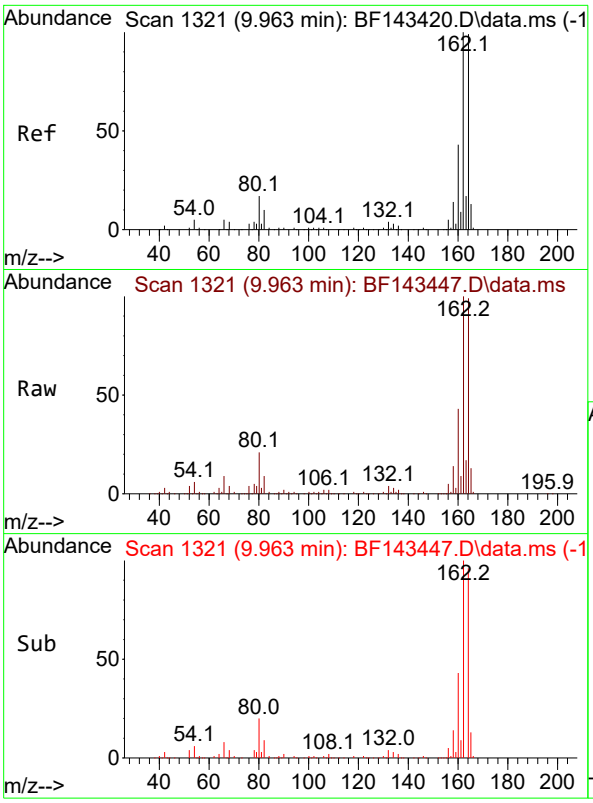


#38
1-Methylnaphthalene
Concen: 44.074 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:142 Resp: 687519

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.8	110.6

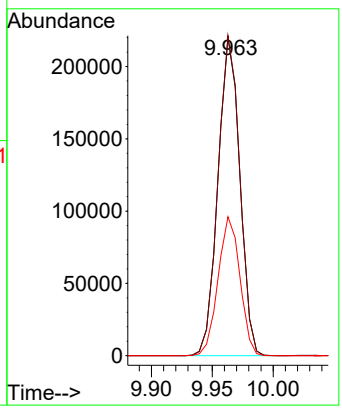




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:164 Resp: 27518

Ion	Ratio	Lower	Upper
164	100		
162	100.6	80.6	121.0
160	43.7	34.6	51.8



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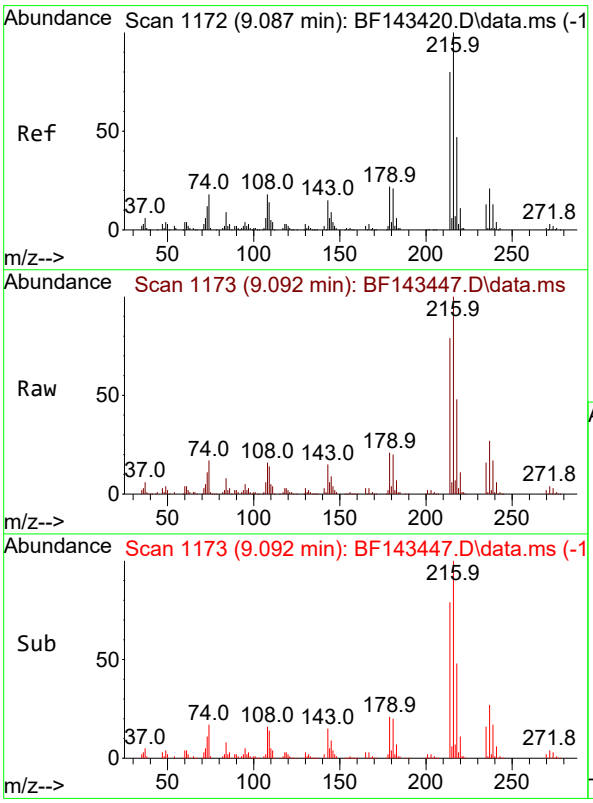
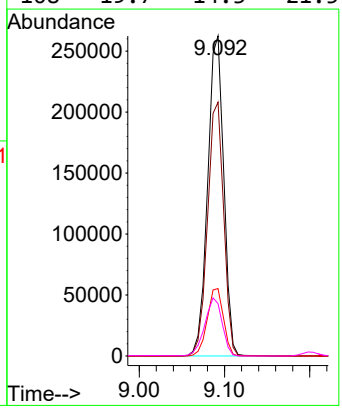
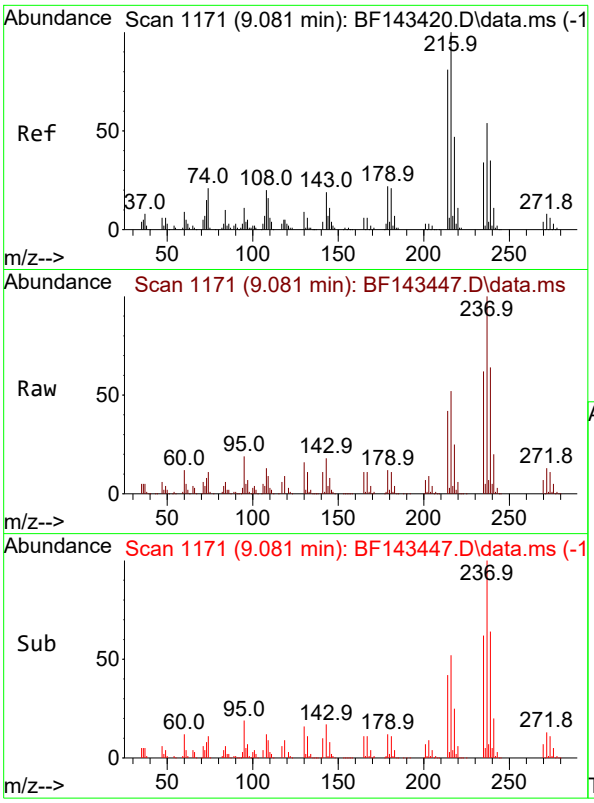


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.719 ng
RT: 9.092 min Scan# 1173
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:216 Resp: 343203

Ion	Ratio	Lower	Upper
216	100		
214	79.4	63.7	95.5
179	21.2	17.0	25.4
108	19.7	14.3	21.5

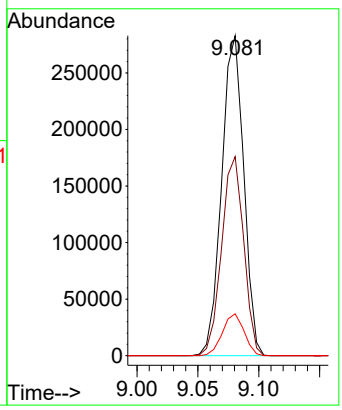




#41
Hexachlorocyclopentadiene
Concen: 123.490 ng
RT: 9.081 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:237 Resp: 35657

Ion	Ratio	Lower	Upper
237	100		
235	62.2	41.6	81.6
272	13.1	0.0	33.8



Instrument :
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ClientSampleId :
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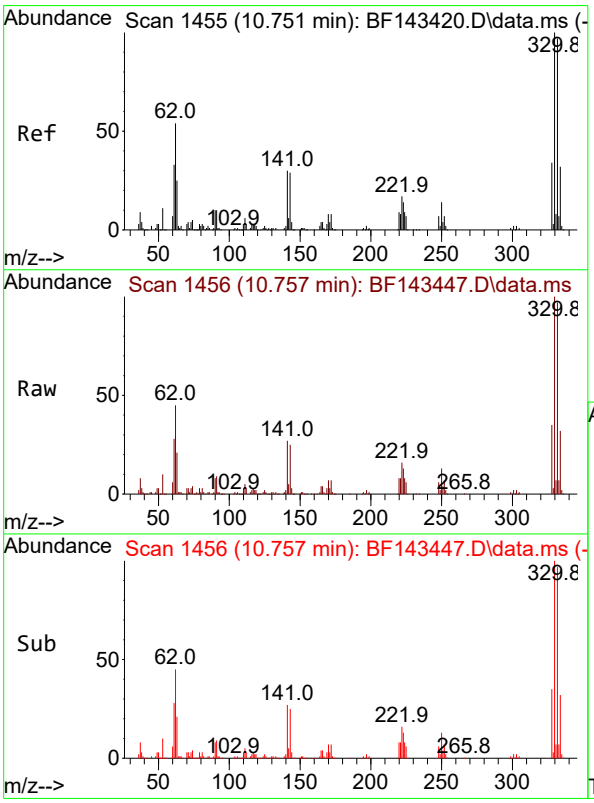
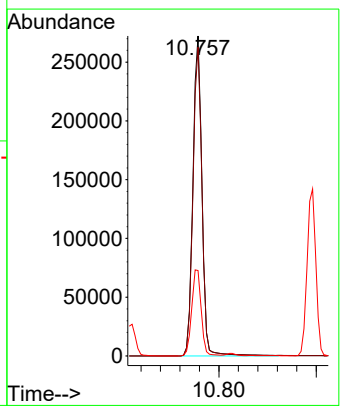
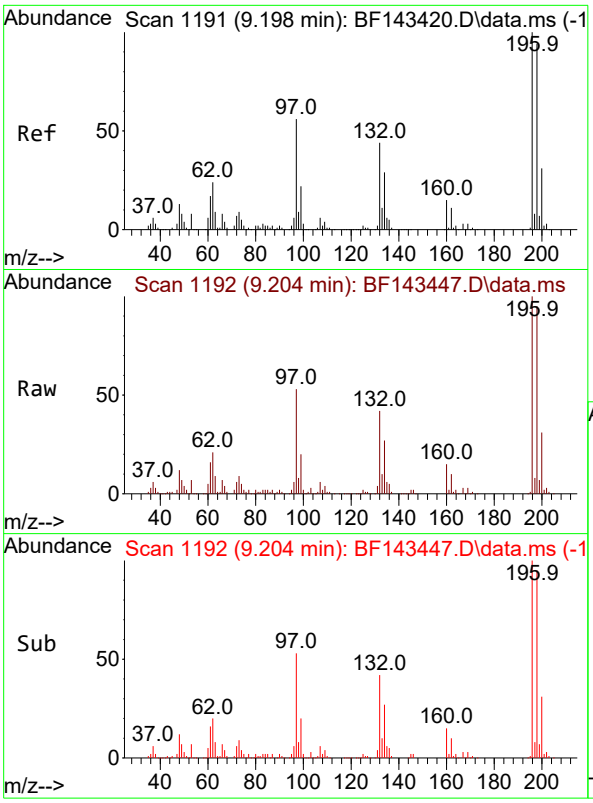


#42
2,4,6-Tribromophenol
Concen: 144.259 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:330 Resp: 353346

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.4	116.2
141	28.3	24.1	36.1

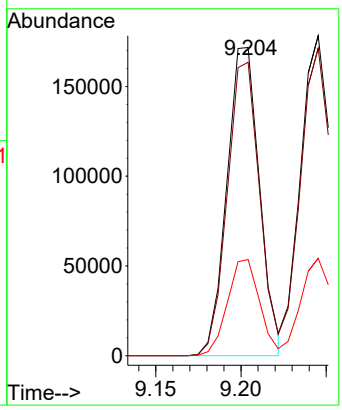




#43
2,4,6-Trichlorophenol
Concen: 47.798 ng
RT: 9.204 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:196 Resp: 22883

Ion	Ratio	Lower	Upper
196	100		
198	95.2	75.4	113.2
200	31.2	24.7	37.1



Instrument :
BNA_F
ClientSampleId :
PB169285BS

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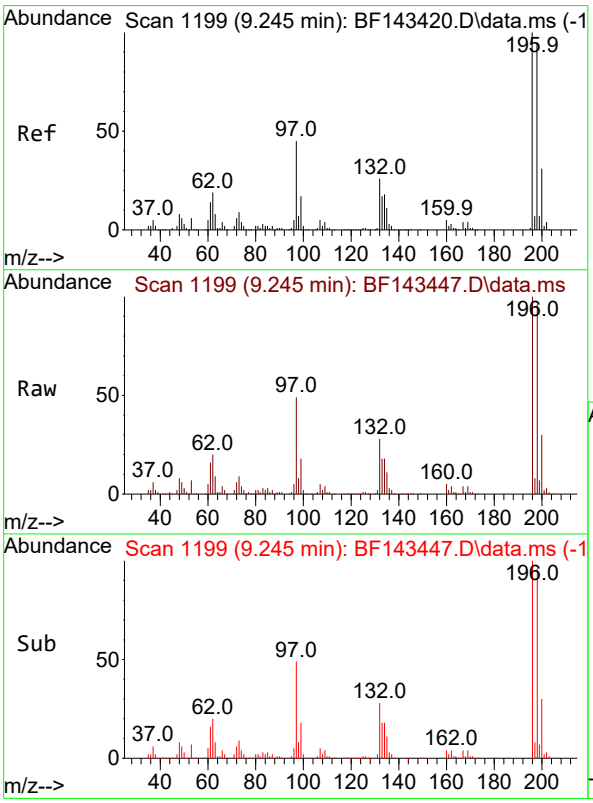
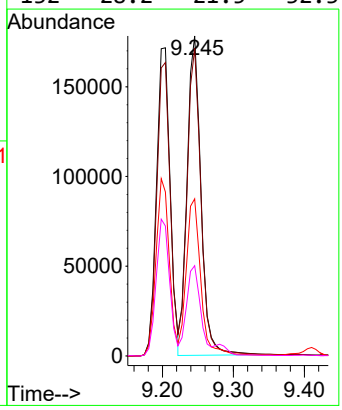
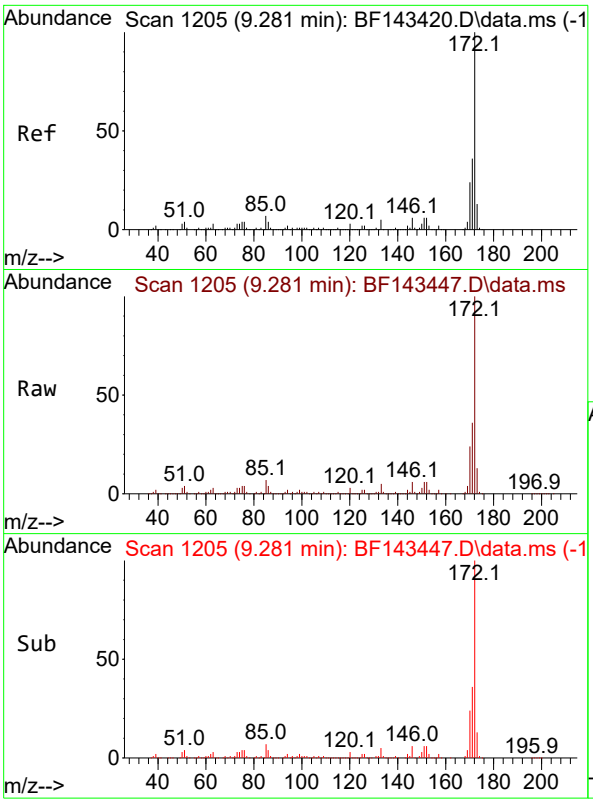


#44
2,4,5-Trichlorophenol
Concen: 47.270 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:196 Resp: 242581

Ion	Ratio	Lower	Upper
196	100		
198	96.1	76.2	114.4
97	49.1	36.6	55.0
132	28.2	21.5	32.3

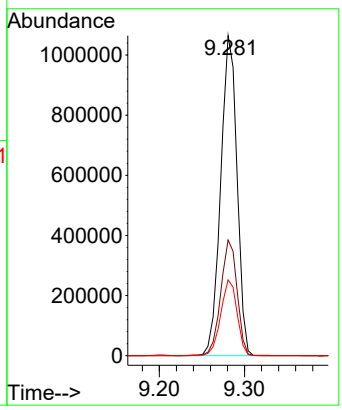




#45
2-Fluorobiphenyl
Concen: 86.649 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:172 Resp: 141765

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.7	43.1
170	23.7	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
PB169285BS

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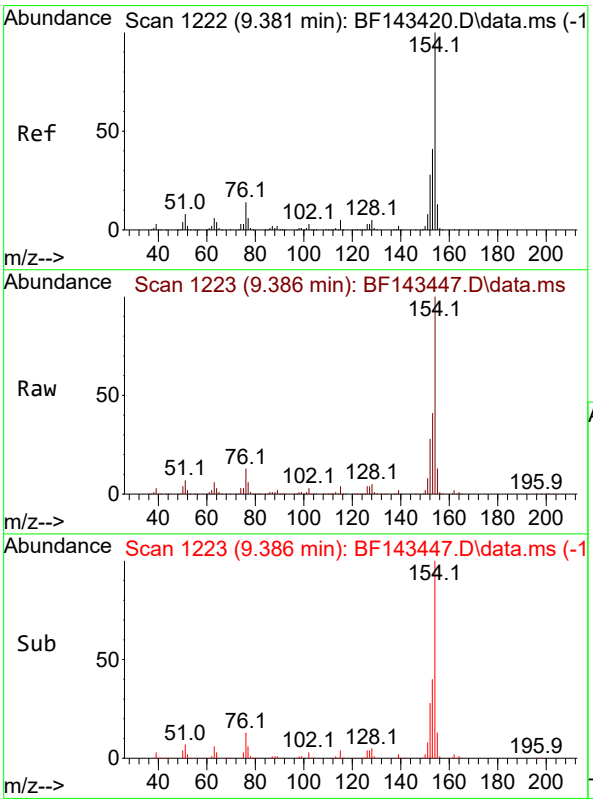
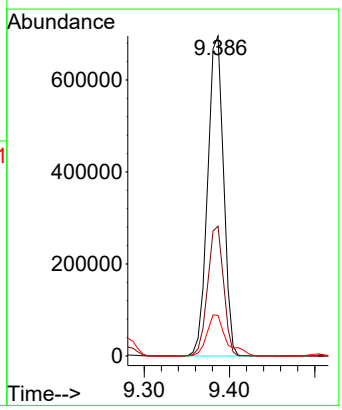
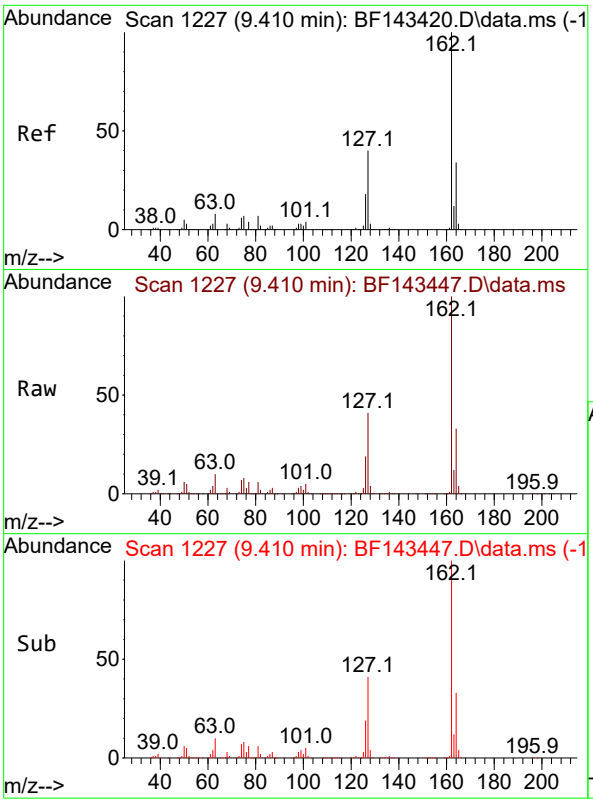


#46
1,1'-Biphenyl
Concen: 46.652 ng
RT: 9.386 min Scan# 1223
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:154 Resp: 902027

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.6	60.6
76	12.7	0.0	33.8

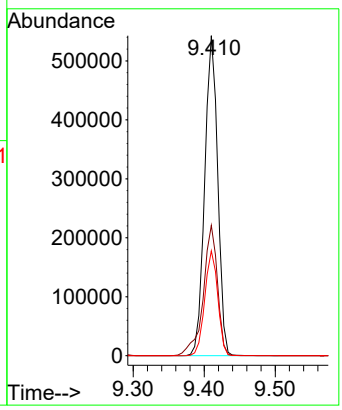




#47
2-Chloronaphthalene
Concen: 45.385 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:162 Resp: 69268

Ion	Ratio	Lower	Upper
162	100		
127	40.7	32.3	48.5
164	32.7	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
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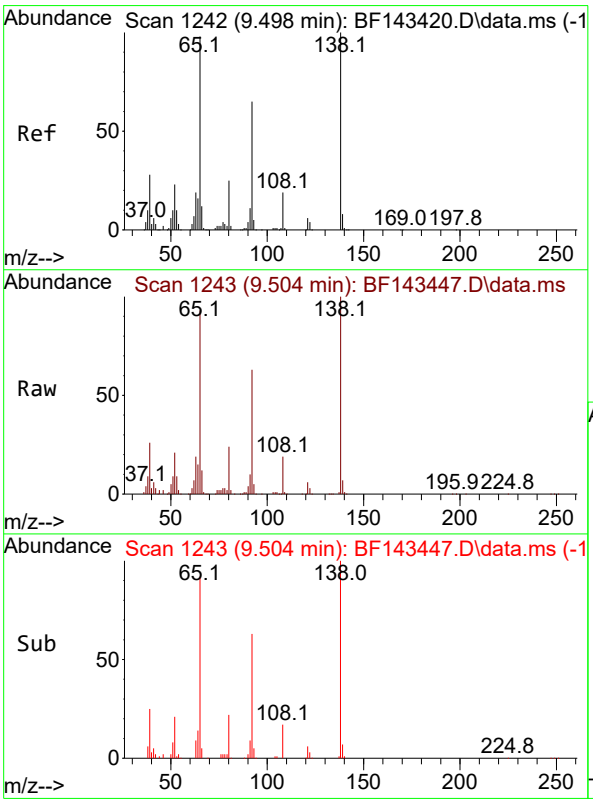
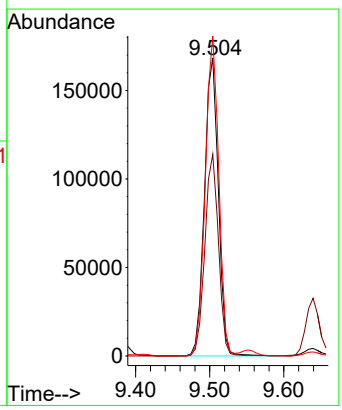
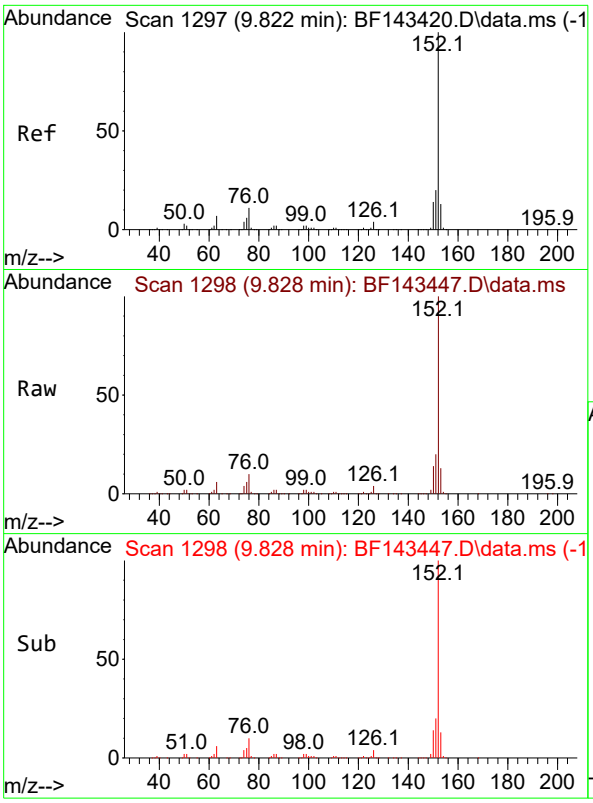


#48
2-Nitroaniline
Concen: 48.219 ng
RT: 9.504 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion: 65 Resp: 219009

Ion	Ratio	Lower	Upper
65	100		
92	67.7	52.9	79.3
138	107.3	81.3	121.9

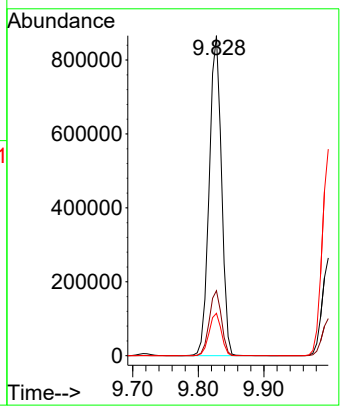




#49
Acenaphthylene
Concen: 50.903 ng
RT: 9.828 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:152 Resp: 112172

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.0	24.0
153	13.2	10.8	16.2



Instrument :
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ClientSampleId :
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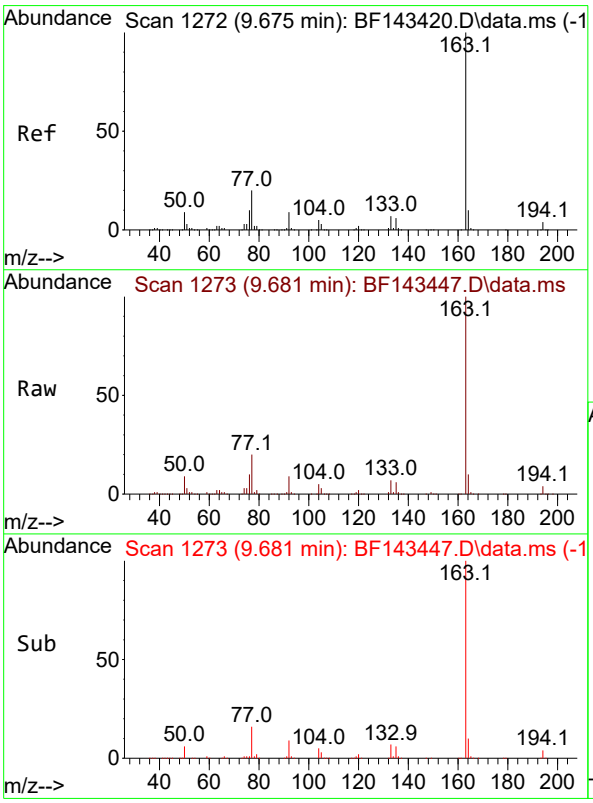
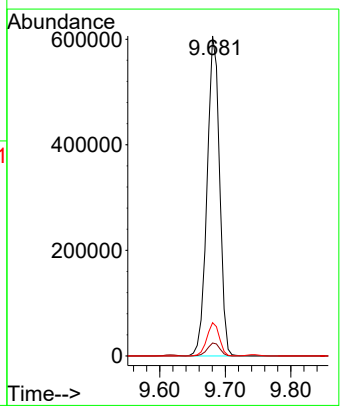
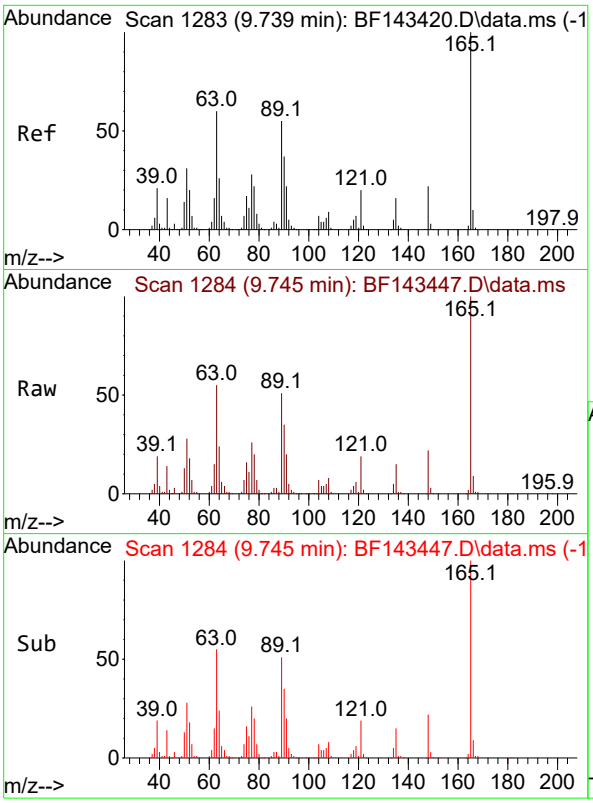


#50
Dimethylphthalate
Concen: 47.009 ng
RT: 9.681 min Scan# 1273
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:163 Resp: 806527

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.4	5.0
164	10.4	8.2	12.4

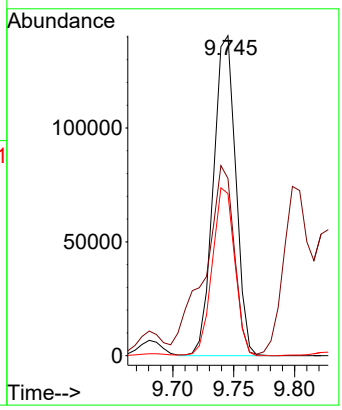




#51
2,6-Dinitrotoluene
Concen: 53.231 ng
RT: 9.745 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:165 Resp: 18003

Ion	Ratio	Lower	Upper
165	100		
63	55.4	48.2	72.2
89	50.6	44.2	66.2



Instrument :
BNA_F
ClientSampleId :
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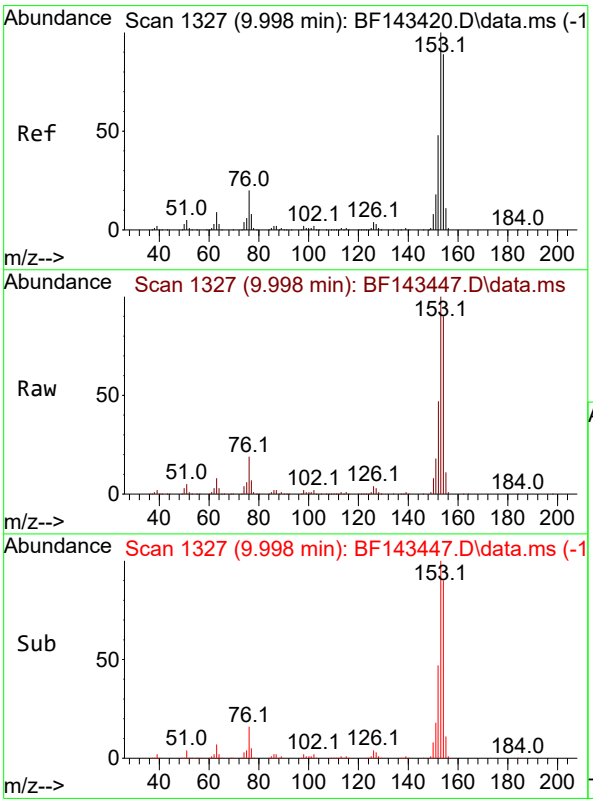
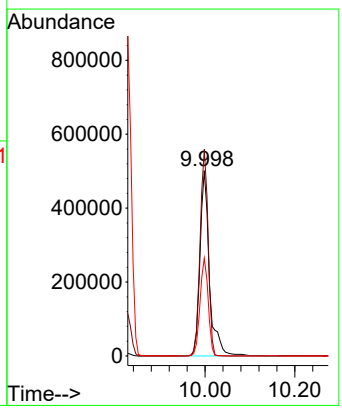
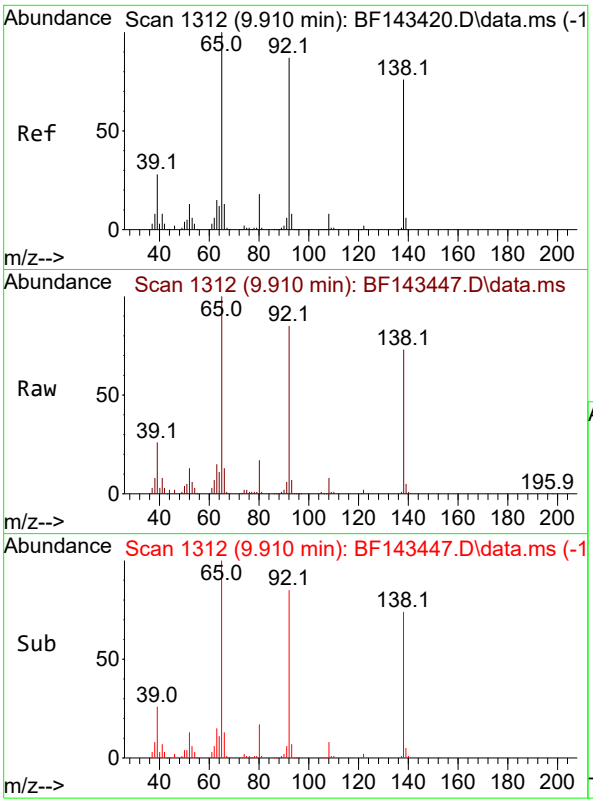


#52
Acenaphthene
Concen: 49.601 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:154 Resp: 735147

Ion	Ratio	Lower	Upper
154	100		
153	111.5	89.5	134.3
152	52.8	42.6	64.0

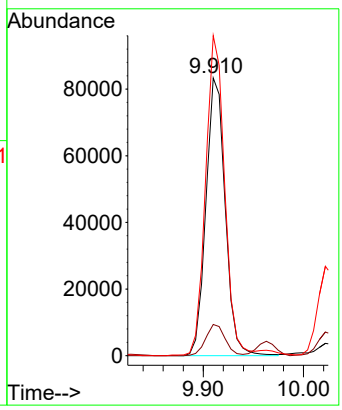




#53
3-Nitroaniline
Concen: 29.667 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:138 Resp: 11176

Ion	Ratio	Lower	Upper
138	100		
108	11.2	8.7	13.1
92	115.2	91.4	137.2



Instrument :
BNA_F
ClientSampleId :
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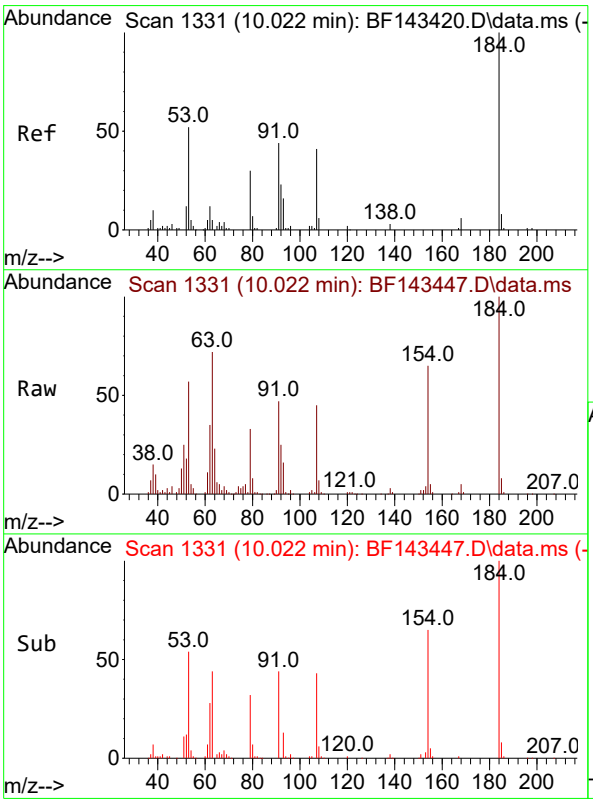
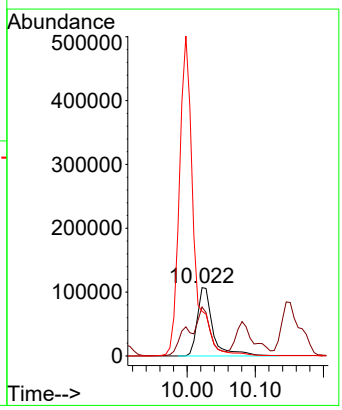
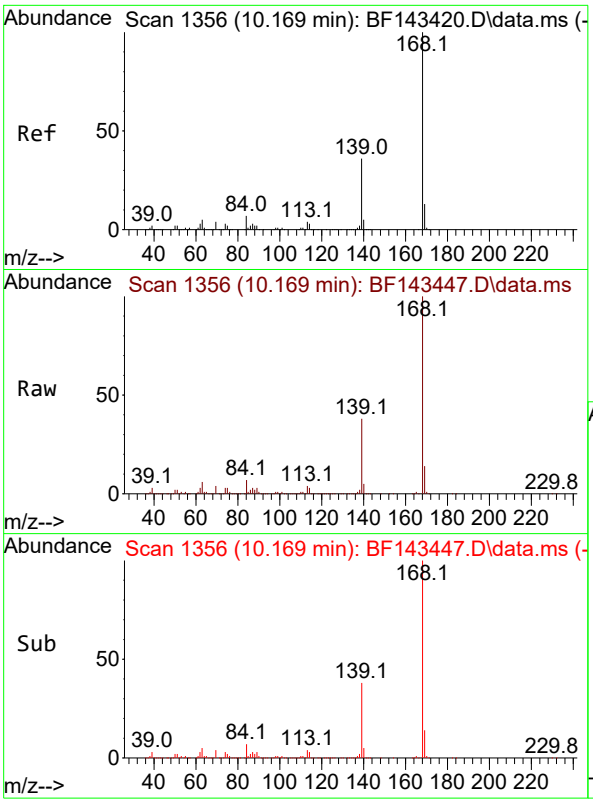


#54
2,4-Dinitrophenol
Concen: 106.583 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:184 Resp: 170836

Ion	Ratio	Lower	Upper
184	100		
63	71.8	53.2	79.8
154	65.4	51.3	76.9

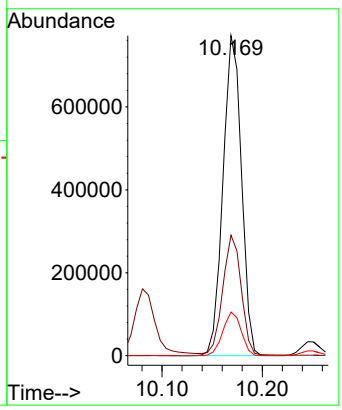




#55
Dibenzofuran
Concen: 46.056 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:168 Resp: 98470

Ion	Ratio	Lower	Upper
168	100		
139	37.6	29.3	43.9
169	13.7	10.8	16.2



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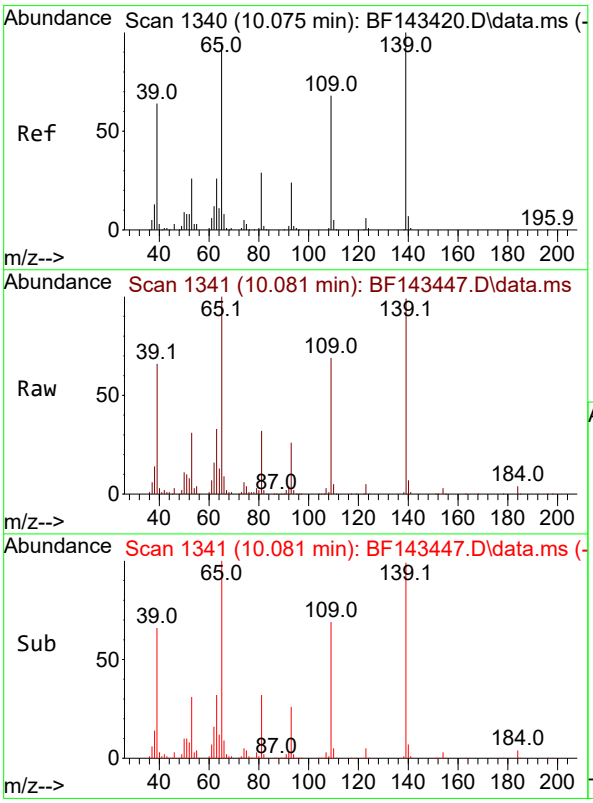
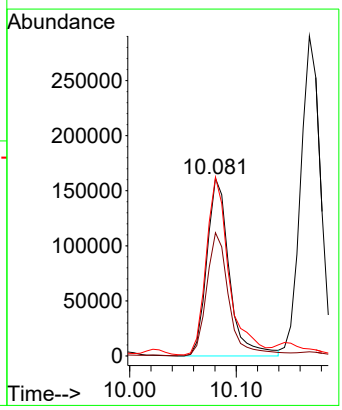
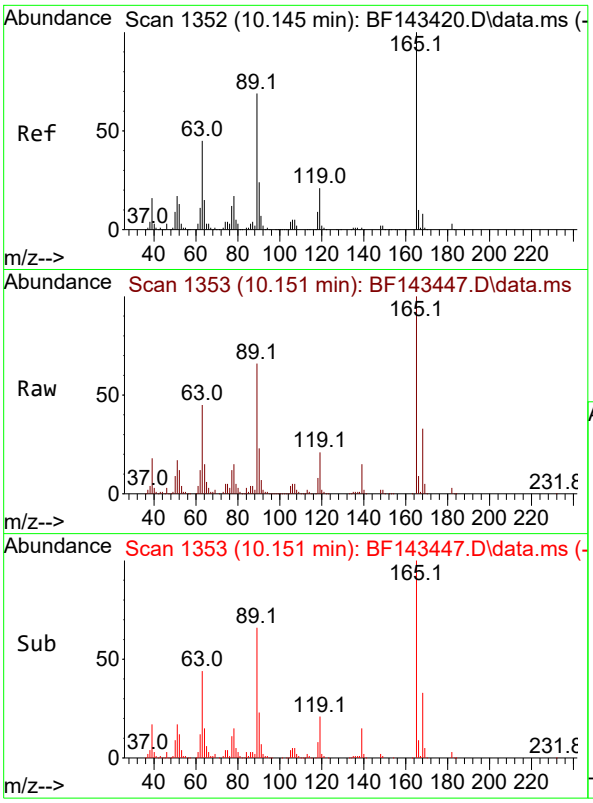


#56
4-Nitrophenol
Concen: 99.662 ng
RT: 10.081 min Scan# 1341
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:139 Resp: 236057

Ion	Ratio	Lower	Upper
139	100		
109	69.4	47.7	87.7
65	100.7	76.4	116.4

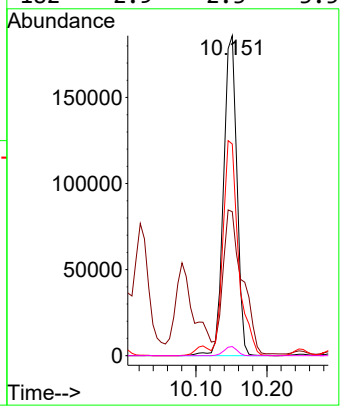




#57
2,4-Dinitrotoluene
Concen: 53.578 ng
RT: 10.151 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:165 Resp: 24159

Ion	Ratio	Lower	Upper
165	100		
63	45.0	37.0	55.6
89	66.2	55.4	83.0
182	2.9	2.3	3.5



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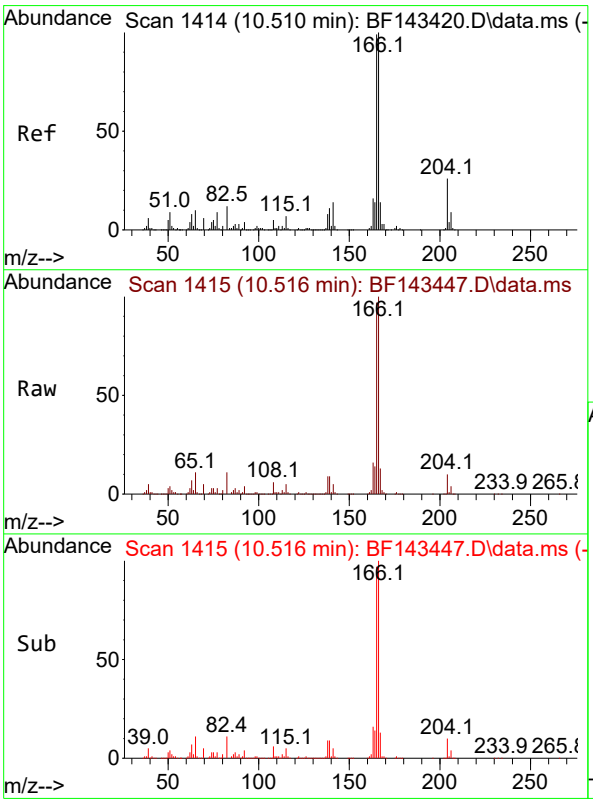
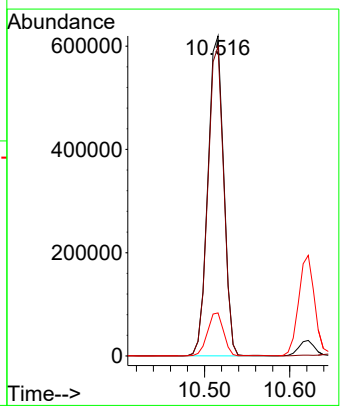
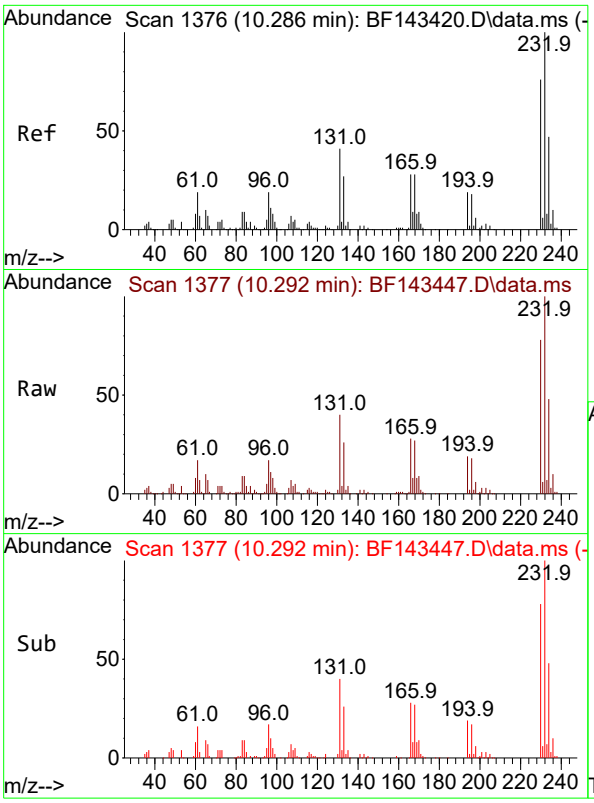


#58
Fluorene
Concen: 48.679 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:166 Resp: 799557

Ion	Ratio	Lower	Upper
166	100		
165	96.7	79.0	118.6
167	13.4	10.9	16.3

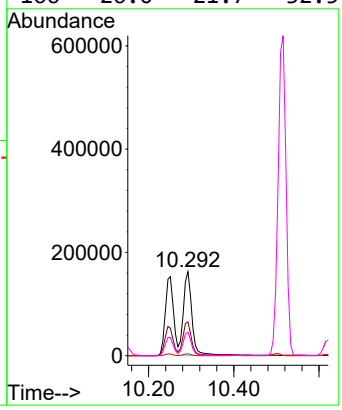




#59
2,3,4,6-Tetrachlorophenol
Concen: 59.238 ng
RT: 10.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:232 Resp: 23011

Ion	Ratio	Lower	Upper
232	100		
131	40.0	32.0	48.0
130	1.9	1.7	2.5
166	26.0	21.7	32.5



Instrument :
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ClientSampleId :
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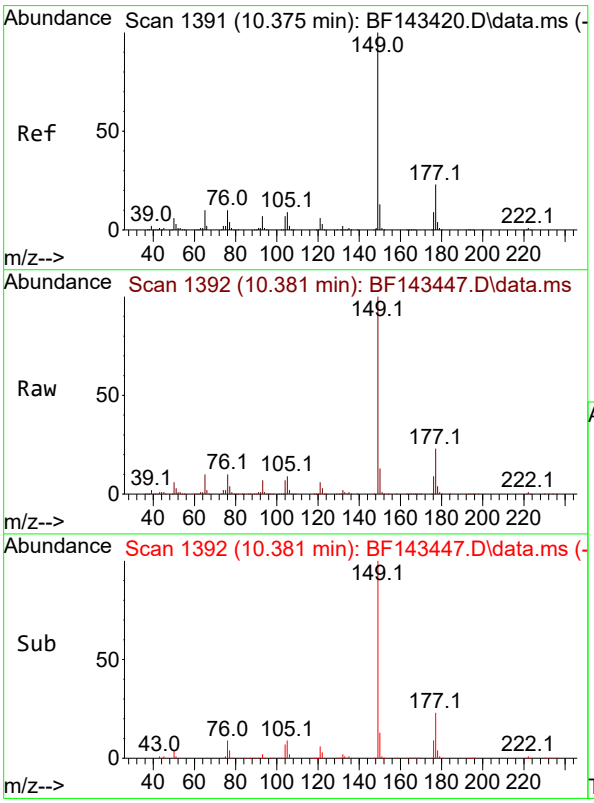
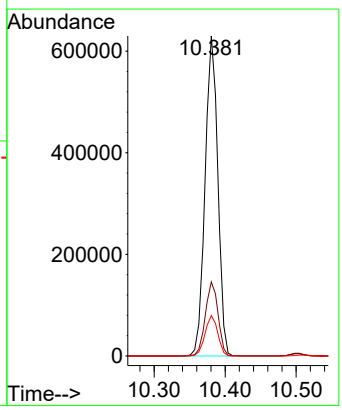
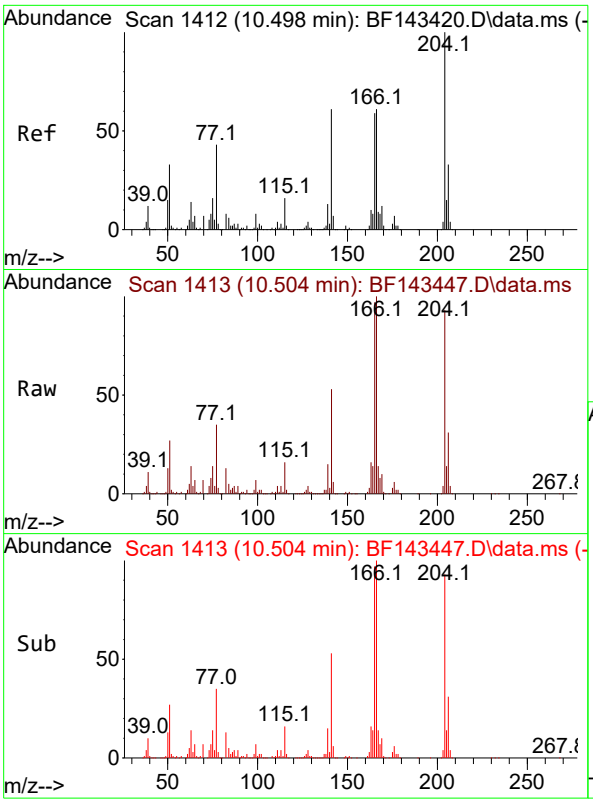


#60
Diethylphthalate
Concen: 49.623 ng
RT: 10.381 min Scan# 1392
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:149 Resp: 786748

Ion	Ratio	Lower	Upper
149	100		
177	23.2	18.2	27.4
150	12.6	10.1	15.1

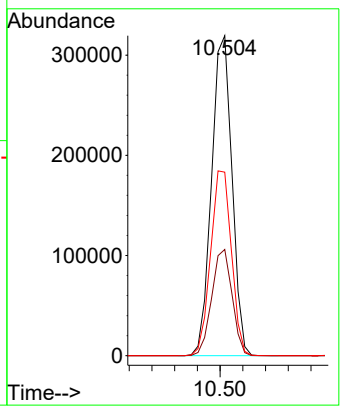




#61
4-Chlorophenyl-phenylether
Concen: 49.144 ng
RT: 10.504 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:204 Resp: 39908

Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.5	39.7
141	57.4	49.0	73.4



Instrument :
BNA_F
ClientSampleId :
PB169285BS

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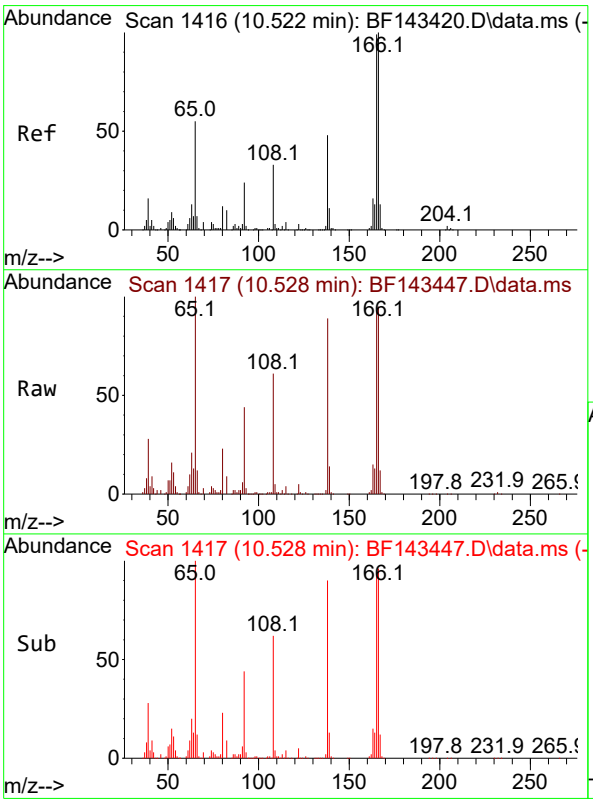
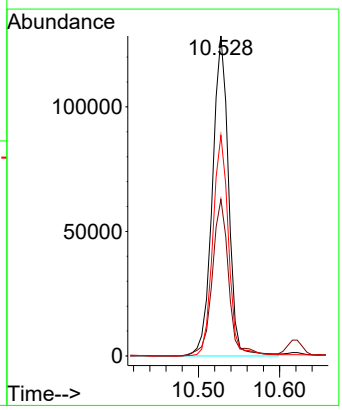
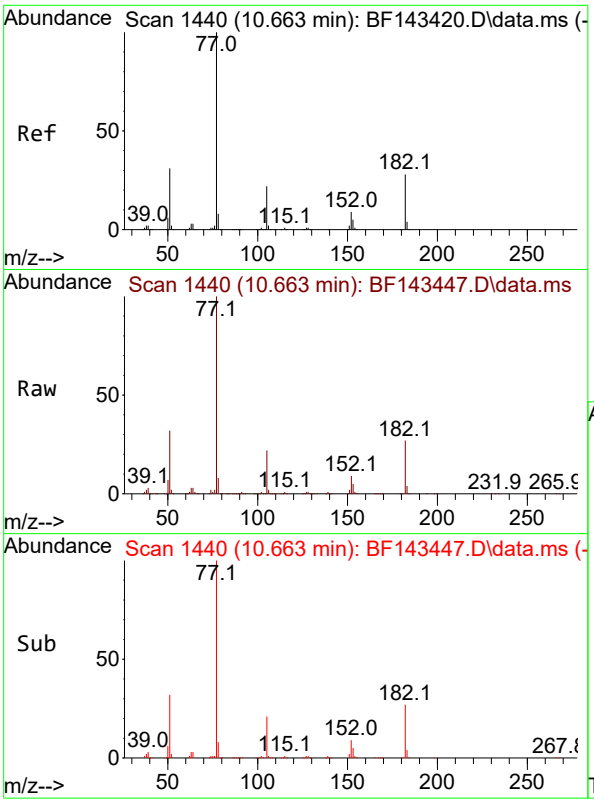


#62
4-Nitroaniline
Concen: 50.445 ng
RT: 10.528 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:138 Resp: 177734

Ion	Ratio	Lower	Upper
138	100		
92	48.9	29.4	69.4
108	69.0	48.6	88.6

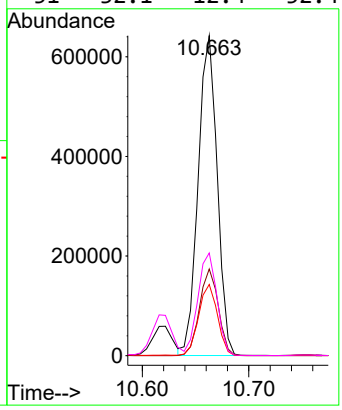




#63
Azobenzene
Concen: 49.807 ng
RT: 10.663 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion: 77 Resp: 79810

Ion	Ratio	Lower	Upper
77	100		
182	27.1	7.4	47.4
105	22.2	1.7	41.7
51	32.1	12.4	52.4



Instrument :
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ClientSampleId :
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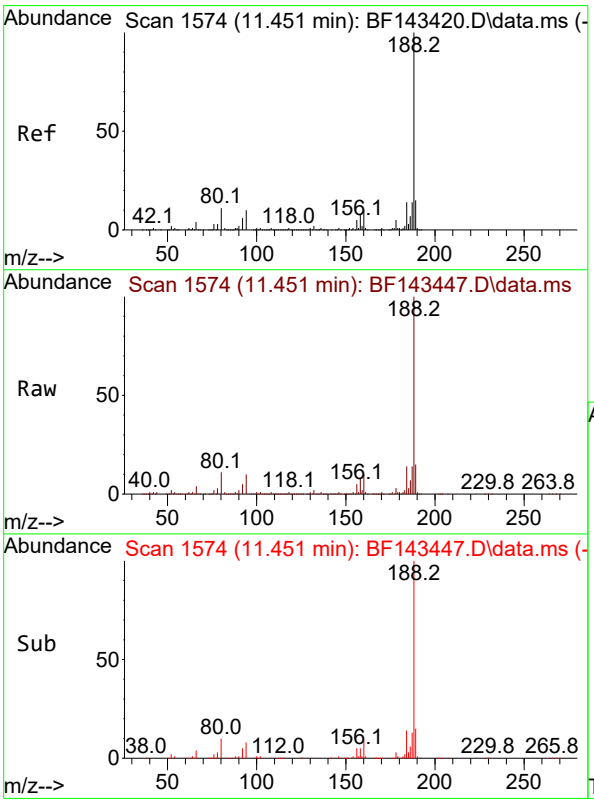
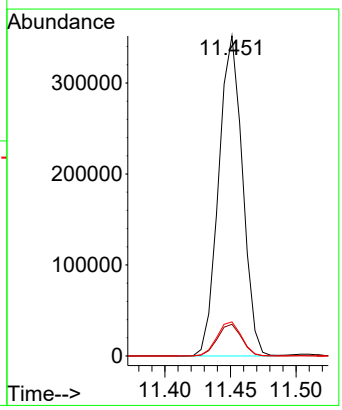
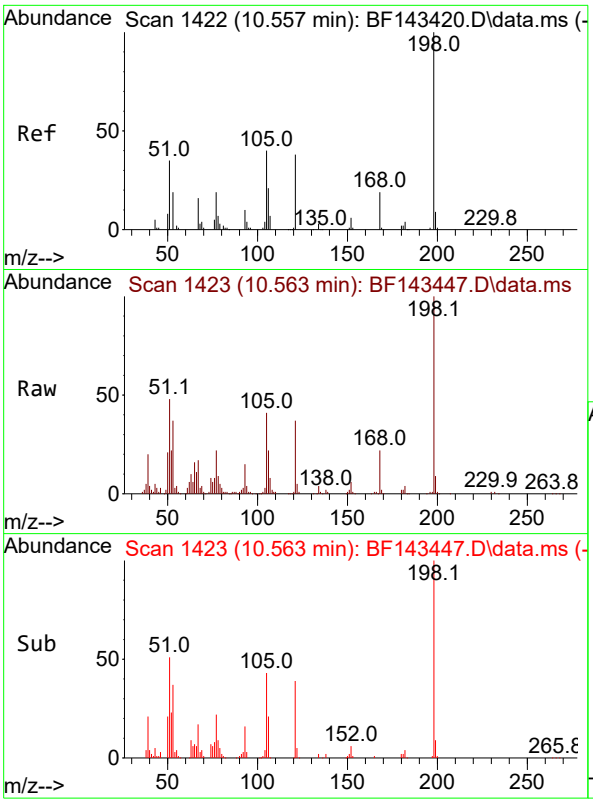


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:188 Resp: 445207

Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.0	12.0
80	10.7	8.6	12.8

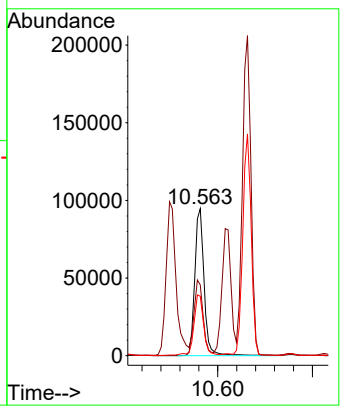




#65
4,6-Dinitro-2-methylphenol
Concen: 56.487 ng
RT: 10.563 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:198 Resp: 12975

Ion	Ratio	Lower	Upper
198	100		
51	48.1	31.2	71.2
105	40.5	21.7	61.7



Instrument :
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ClientSampleId :
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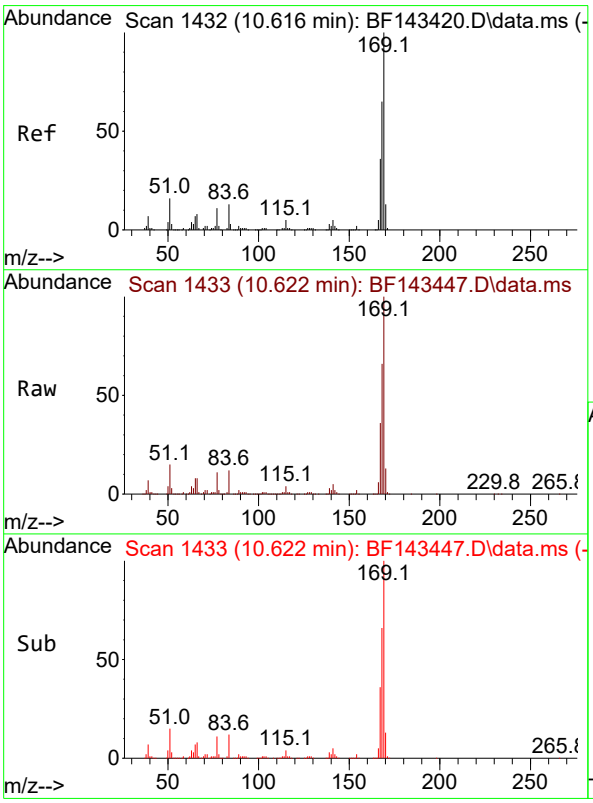
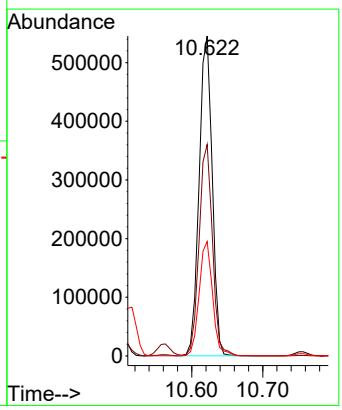
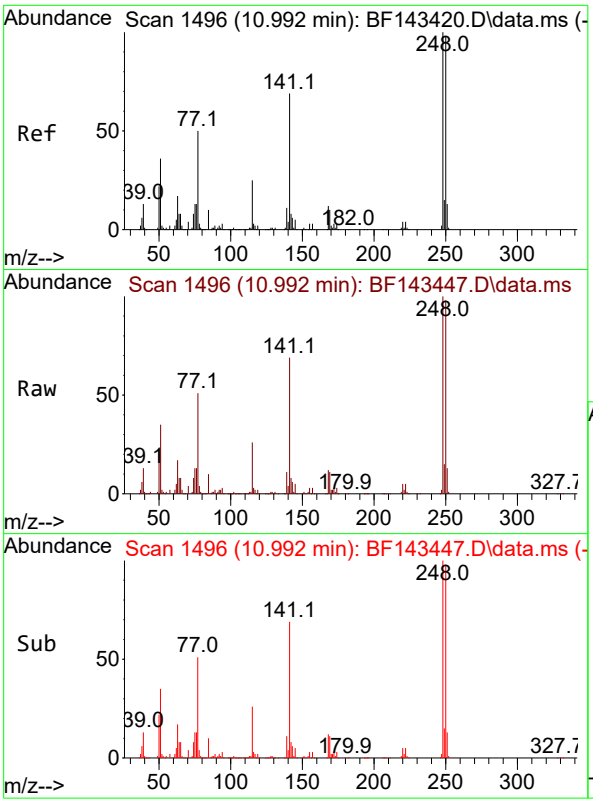


#66
n-Nitrosodiphenylamine
Concen: 48.323 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:169 Resp: 699527

Ion	Ratio	Lower	Upper
169	100		
168	66.1	52.5	78.7
167	35.8	28.6	42.8





#67
4-Bromophenyl-phenylether
Concen: 47.961 ng
RT: 10.992 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:248 Resp: 25214

Ion	Ratio	Lower	Upper
248	100		
250	98.5	78.6	118.0
141	69.1	54.9	82.3

Instrument :
BNA_F
ClientSampleId :
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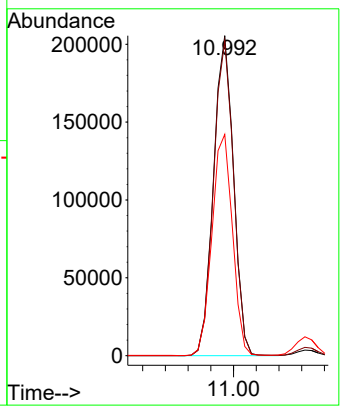
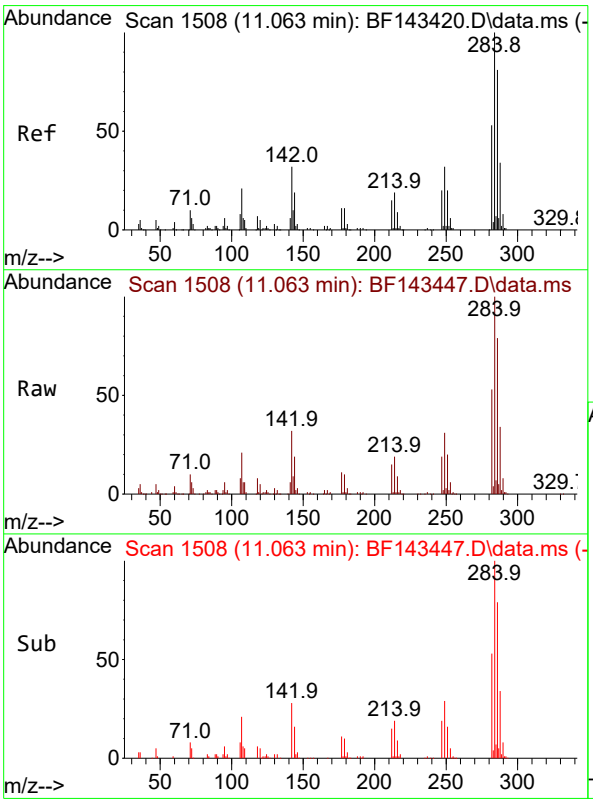
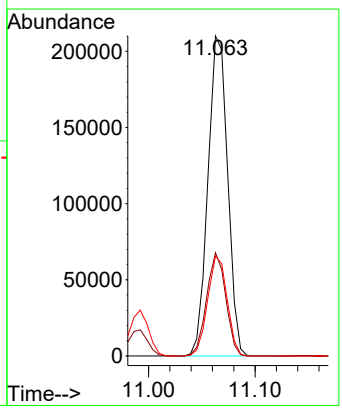


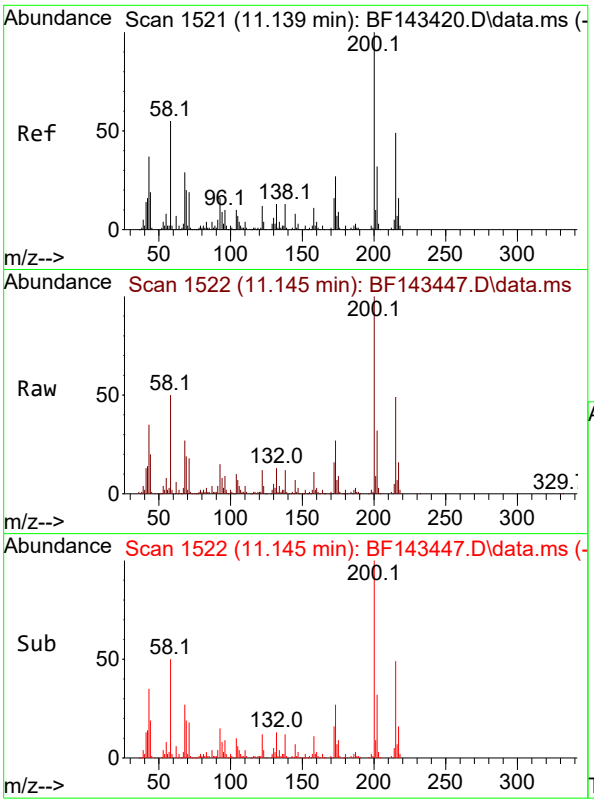


#68
Hexachlorobenzene
Concen: 48.324 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:284 Resp: 270084

Ion	Ratio	Lower	Upper
284	100		
142	32.2	25.4	38.2
249	31.2	25.4	38.0

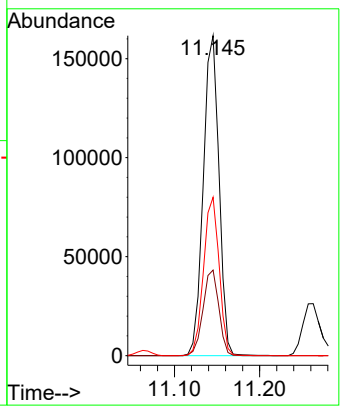




#69
Atrazine
Concen: 48.865 ng
RT: 11.145 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:200 Resp: 20689

Ion	Ratio	Lower	Upper
200	100		
173	26.8	6.6	46.6
215	49.5	29.5	69.5



Instrument :
BNA_F
ClientSampleId :
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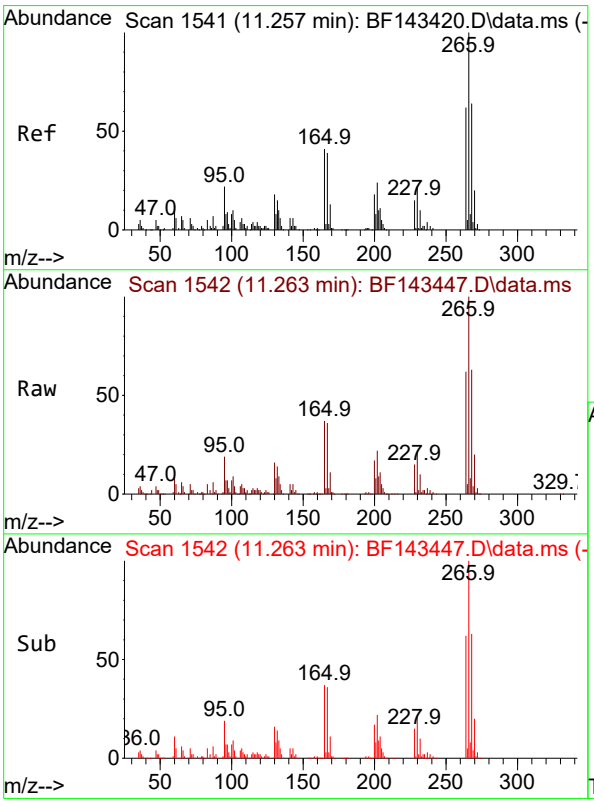
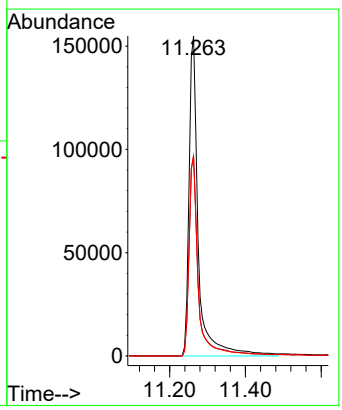
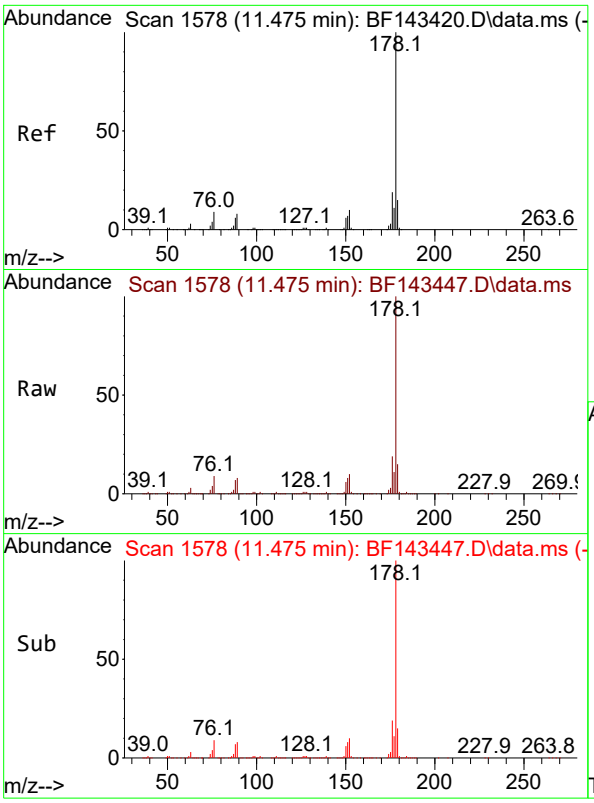


#70
Pentachlorophenol
Concen: 107.844 ng
RT: 11.263 min Scan# 1542
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:266 Resp: 265069

Ion	Ratio	Lower	Upper
266	100		
268	62.6	51.0	76.6
264	62.5	49.3	73.9

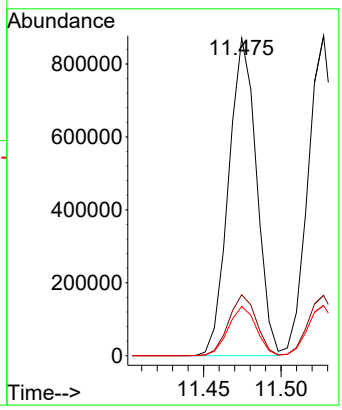




#71
Phenanthrene
Concen: 45.218 ng
RT: 11.475 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:178 Resp: 109015

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.5	12.3	18.5



Instrument :
BNA_F
ClientSampleId :
PB169285BS

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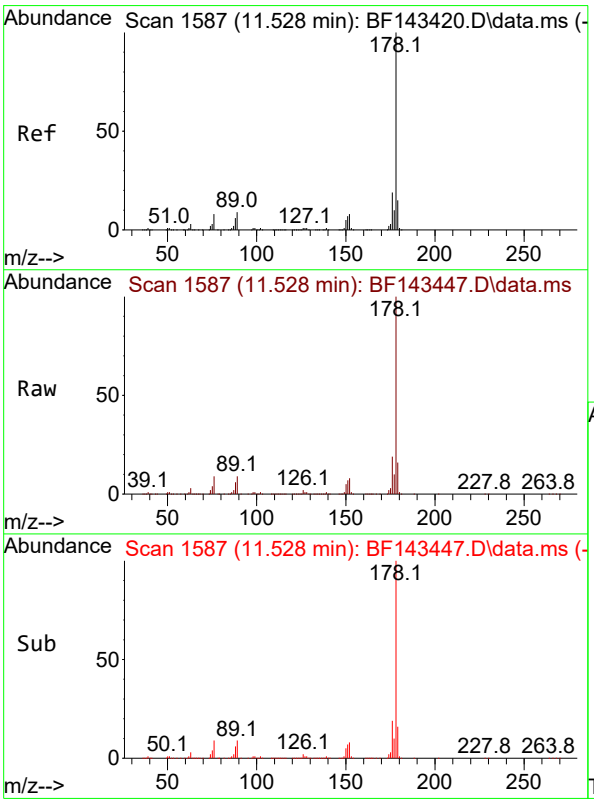
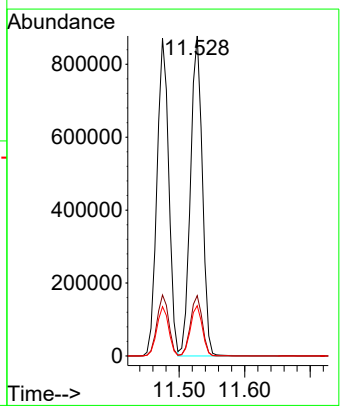
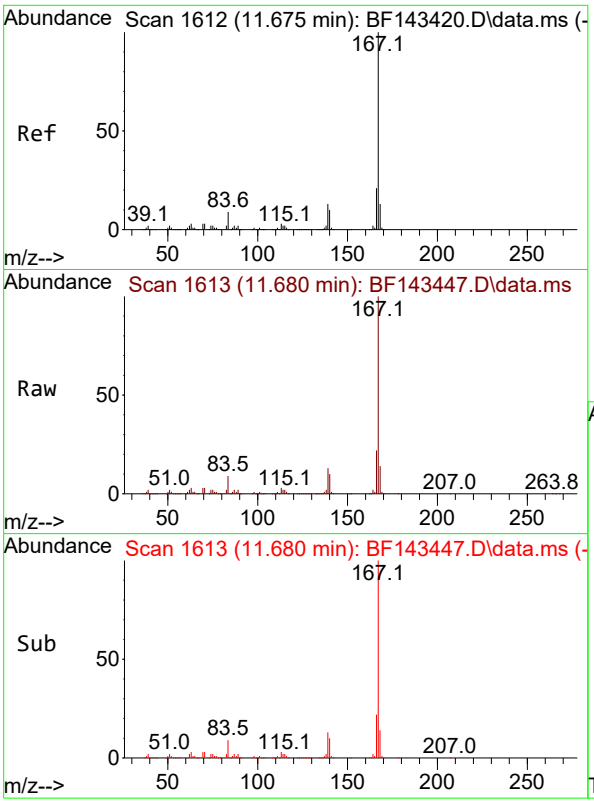


#72
Anthracene
Concen: 45.149 ng
RT: 11.528 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:178 Resp: 1099395

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	15.7	12.2	18.4

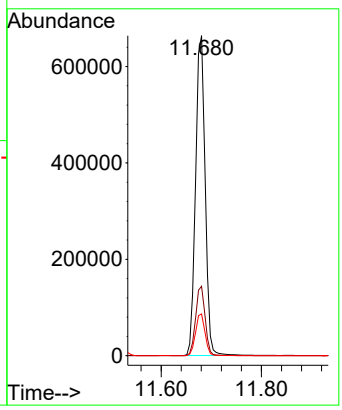




#73
Carbazole
Concen: 42.754 ng
RT: 11.680 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:167 Resp: 88049

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.2	25.8
139	13.0	10.1	15.1



Instrument :
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ClientSampleId :
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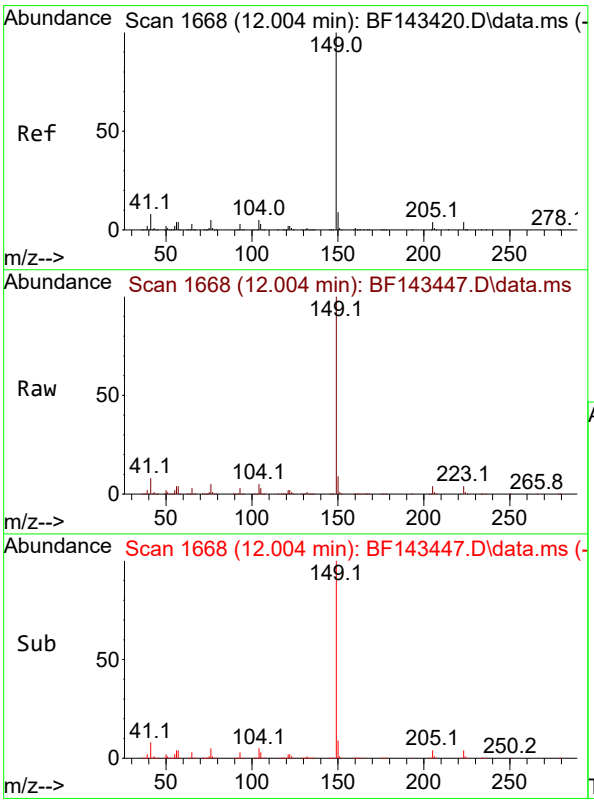
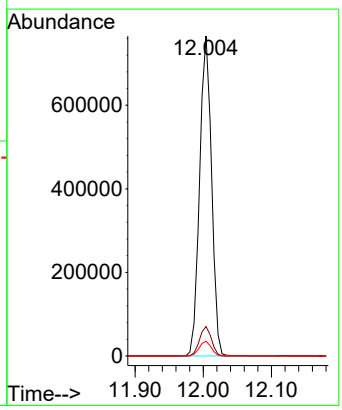
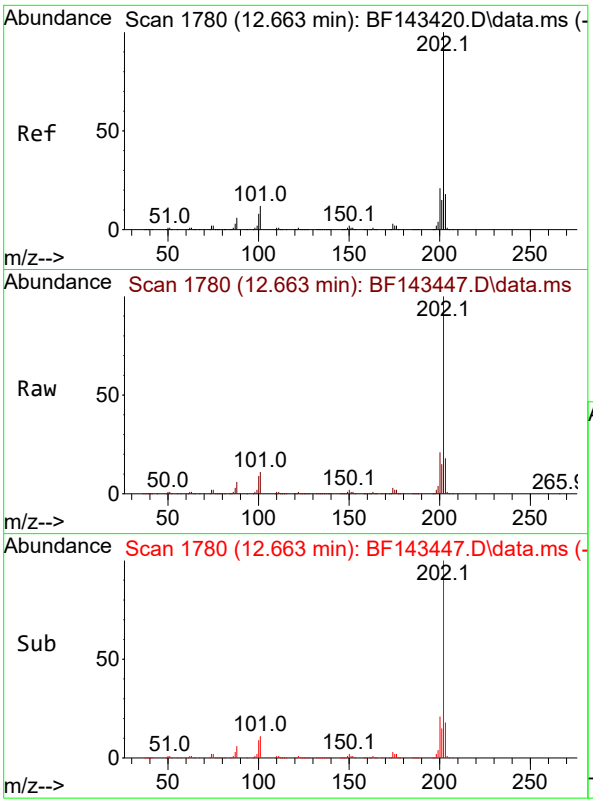


#74
Di-n-butylphthalate
Concen: 45.512 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:149 Resp: 933376

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.6	3.8	5.6

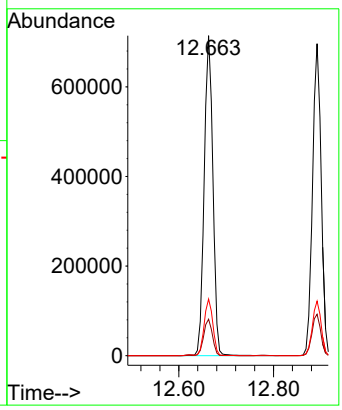




#75
Fluoranthene
Concen: 42.427 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:202 Resp: 90886

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.5
203	17.7	0.0	37.5



Instrument :
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ClientSampleId :
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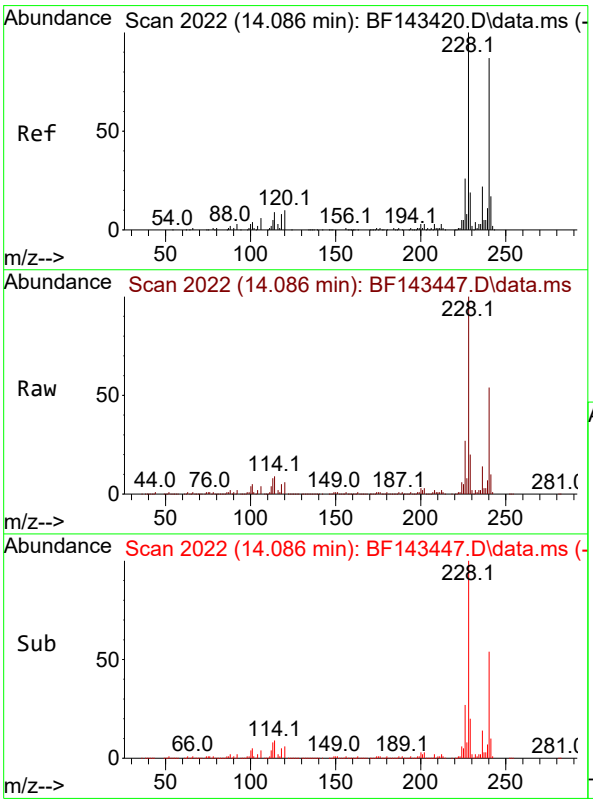
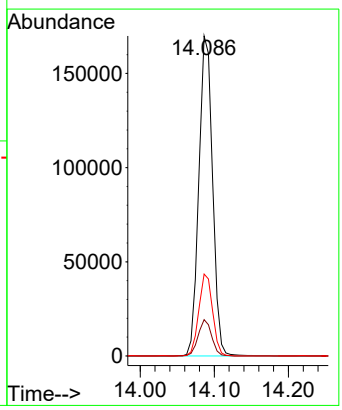
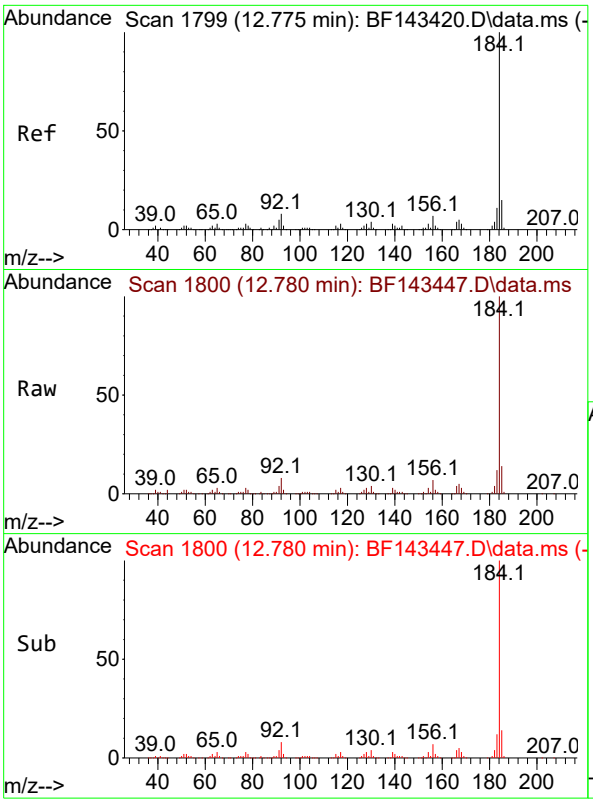


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:240 Resp: 219482

Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.0	13.4
236	25.6	20.2	30.2

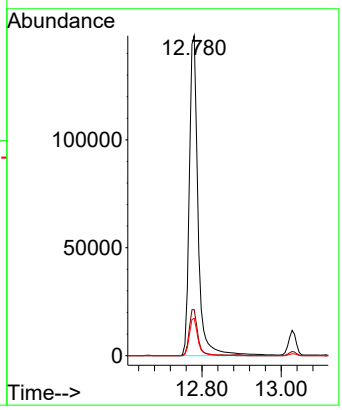




#77
Benzidine
Concen: 34.793 ng
RT: 12.780 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:184 Resp: 22804

Ion	Ratio	Lower	Upper
184	100		
185	14.4	12.2	18.2
183	11.7	9.2	13.8



Instrument :
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ClientSampleId :
PB169285BS

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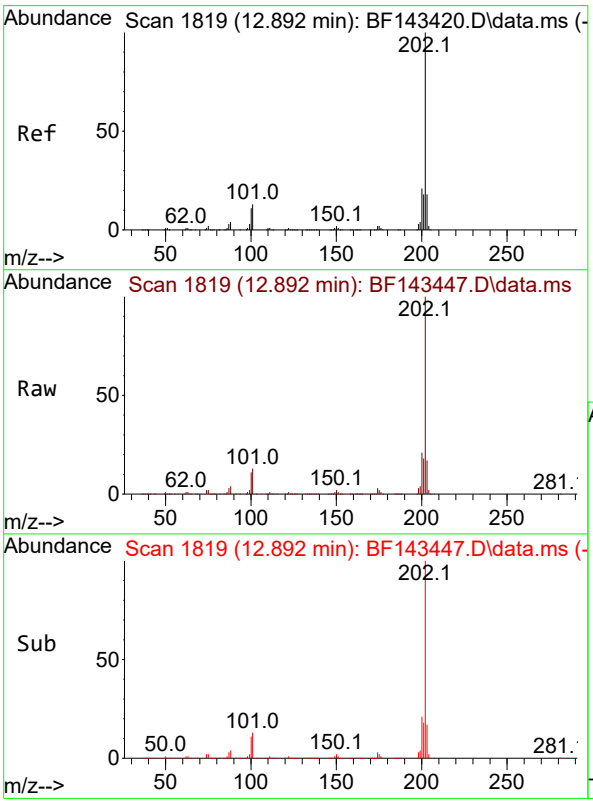
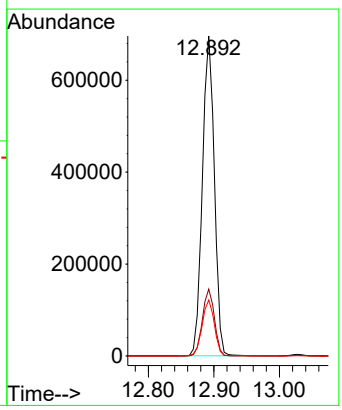
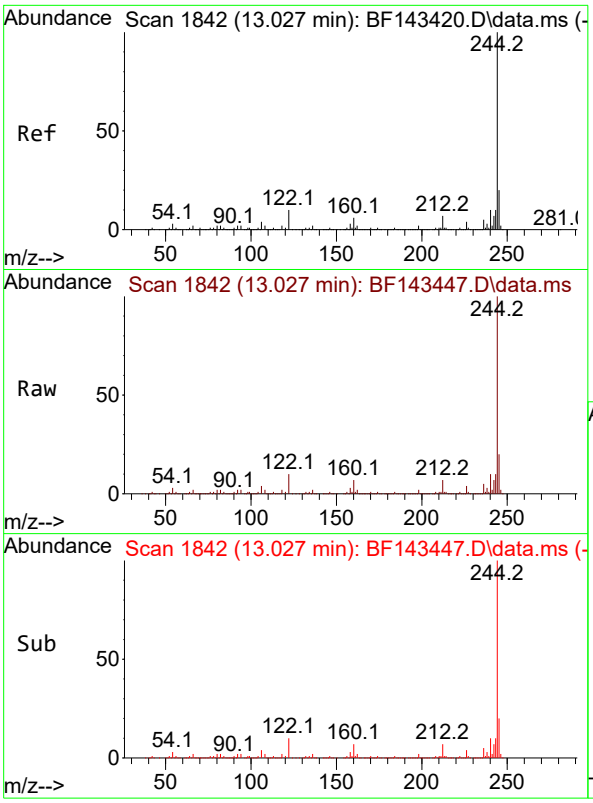


#78
Pyrene
Concen: 46.437 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:202 Resp: 885867

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.1	25.7
203	17.5	14.2	21.2

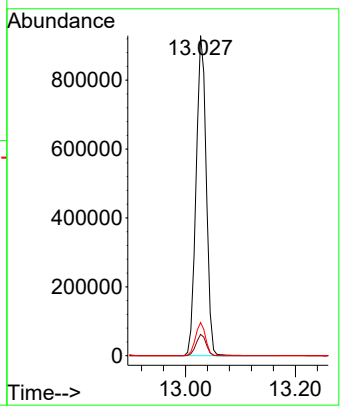




#79
Terphenyl-d14
Concen: 91.173 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:244 Resp: 119121

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.2	7.8
122	10.3	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
PB169285BS

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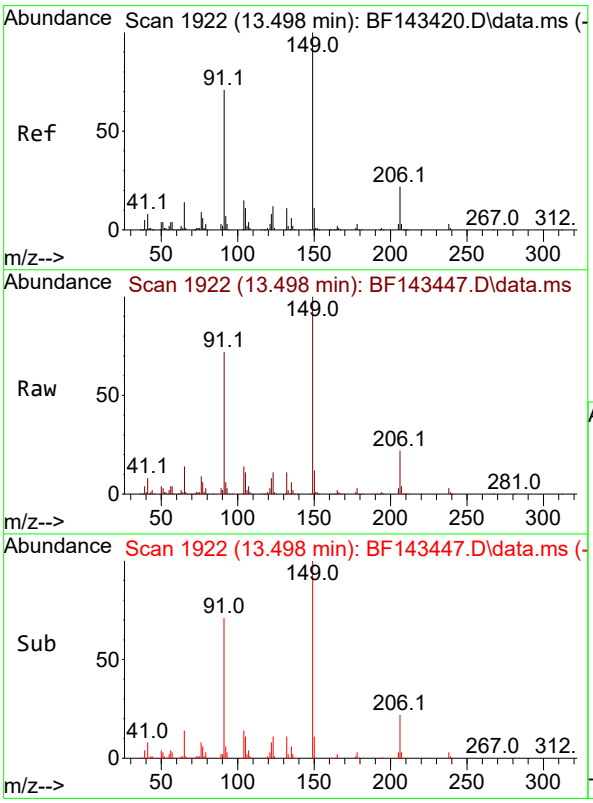
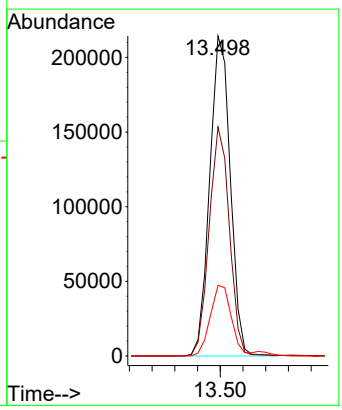
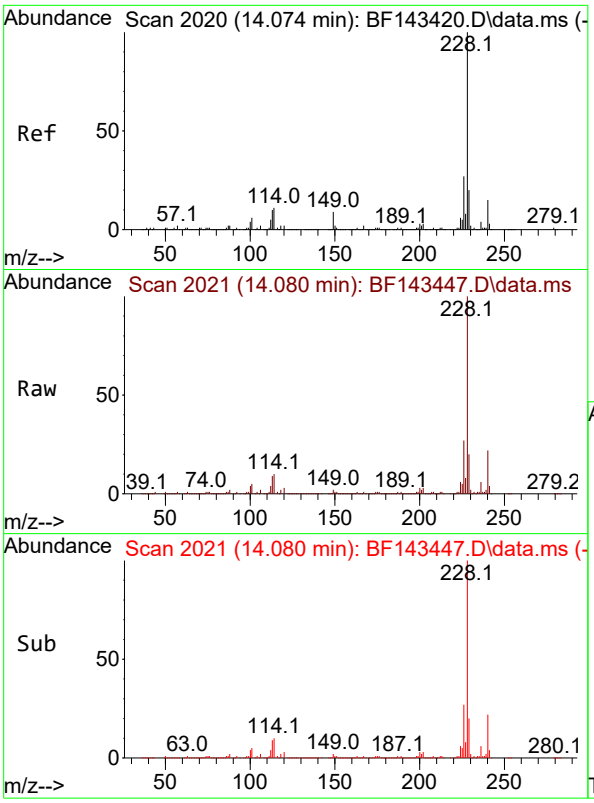


#80
Butylbenzylphthalate
Concen: 57.112 ng
RT: 13.498 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:149 Resp: 269862

Ion	Ratio	Lower	Upper
149	100		
91	71.6	57.0	85.4
206	22.1	17.6	26.4

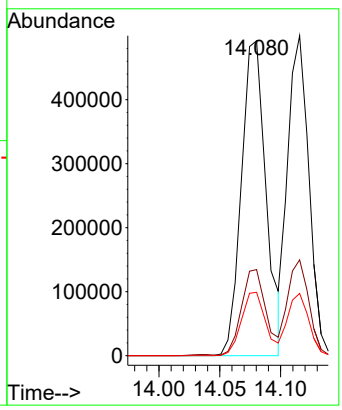




#81
Benzo(a)anthracene
Concen: 49.636 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:228 Resp: 69357

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.5	32.3
229	20.1	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
PB169285BS

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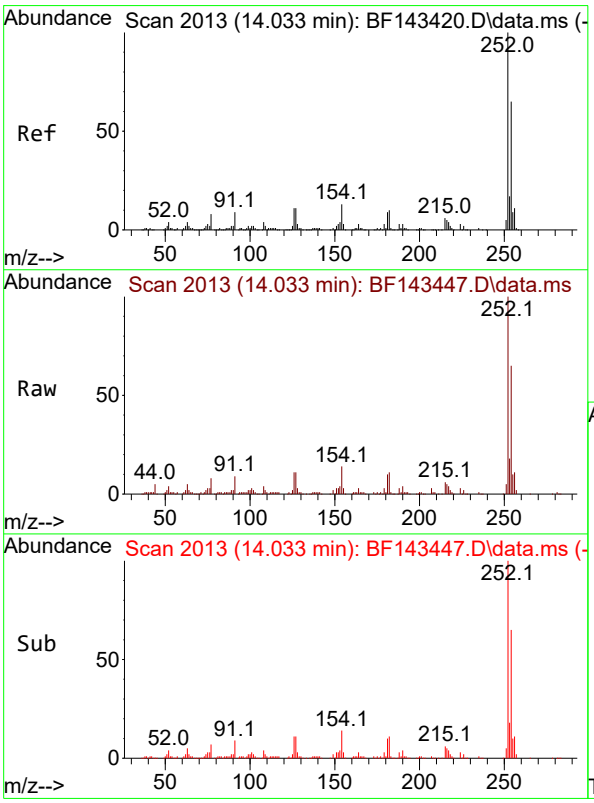
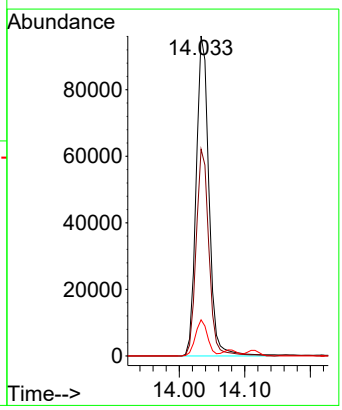
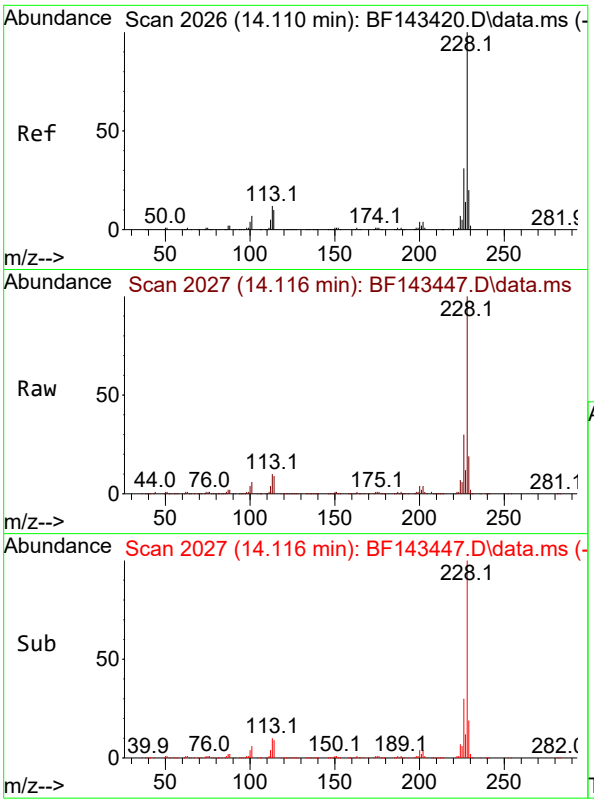


#82
3,3'-Dichlorobenzidine
Concen: 31.961 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:252 Resp: 130760

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.6	77.4
126	11.3	8.8	13.2

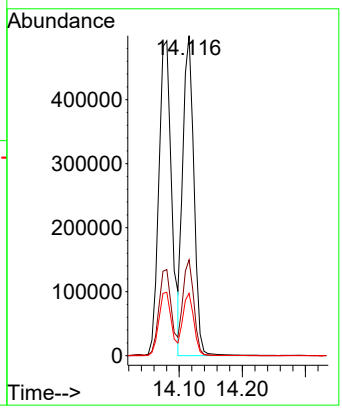




#83
Chrysene
Concen: 47.220 ng
RT: 14.116 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:228 Resp: 60999

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.3	36.5
229	19.4	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
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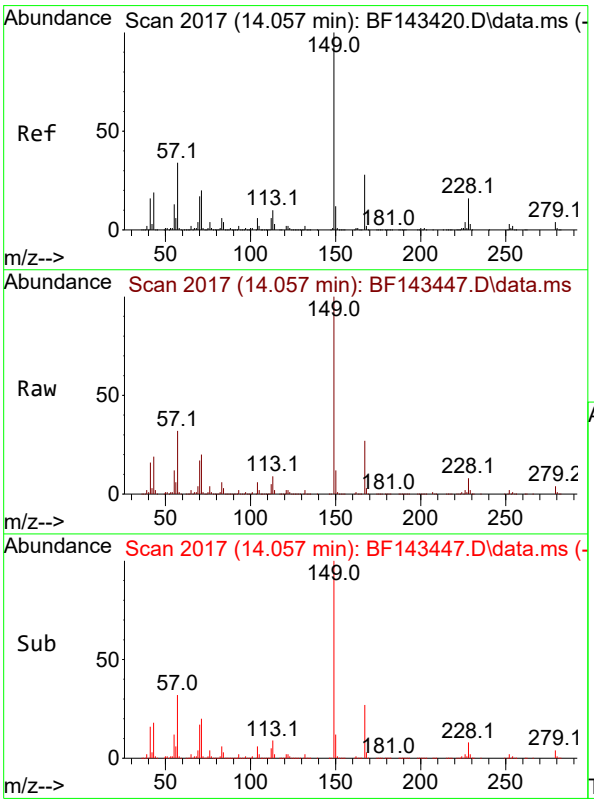
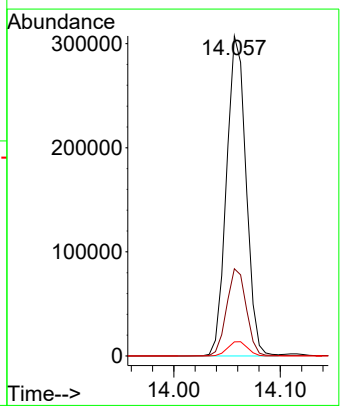
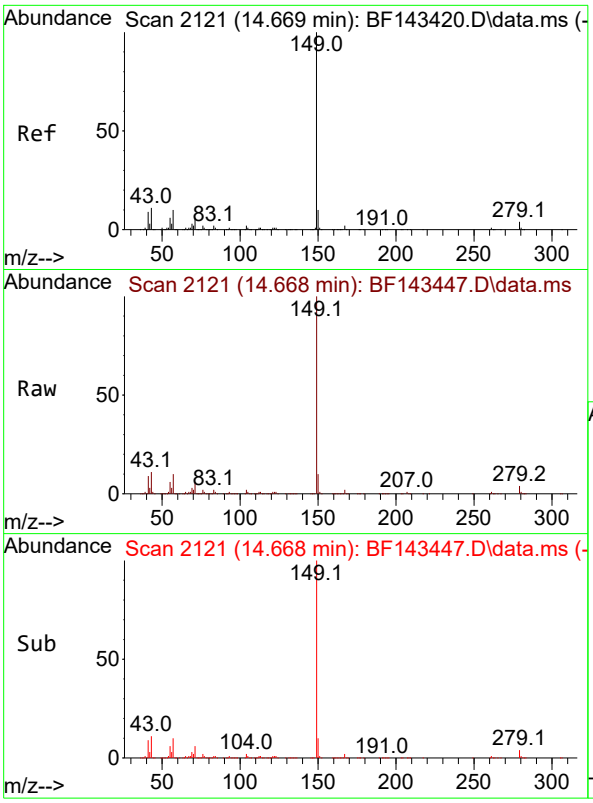


#84
Bis(2-ethylhexyl)phthalate
Concen: 58.277 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:149 Resp: 391061

Ion	Ratio	Lower	Upper
149	100		
167	27.3	22.6	33.8
279	4.4	3.5	5.3

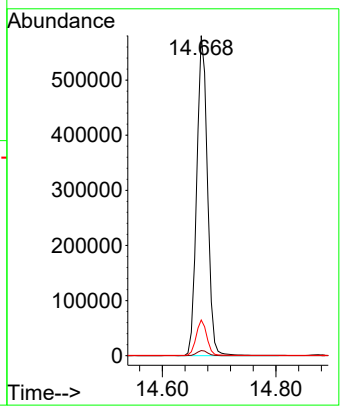




#85
Di-n-octyl phthalate
Concen: 56.035 ng
RT: 14.668 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:149 Resp: 76265

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.2	1.8
43	11.0	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
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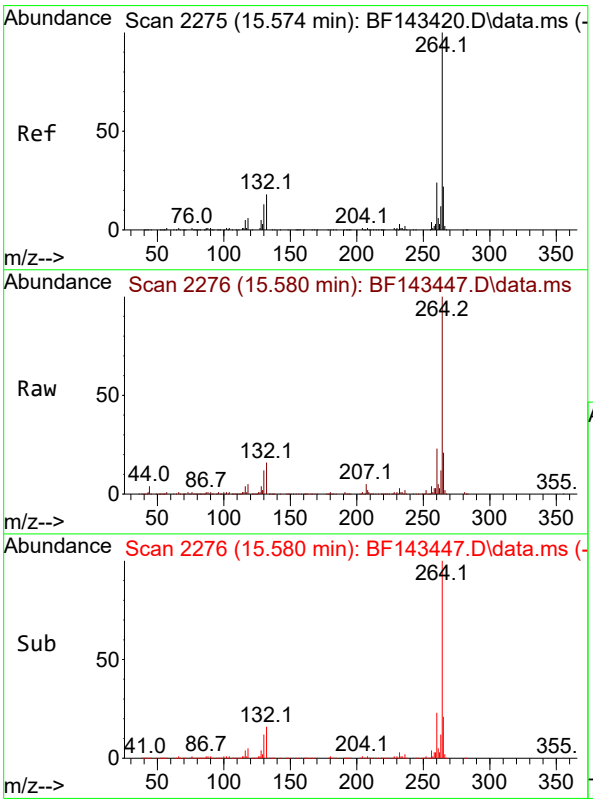
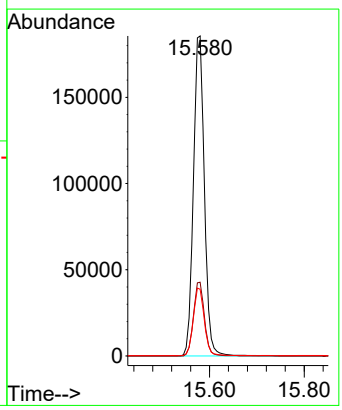
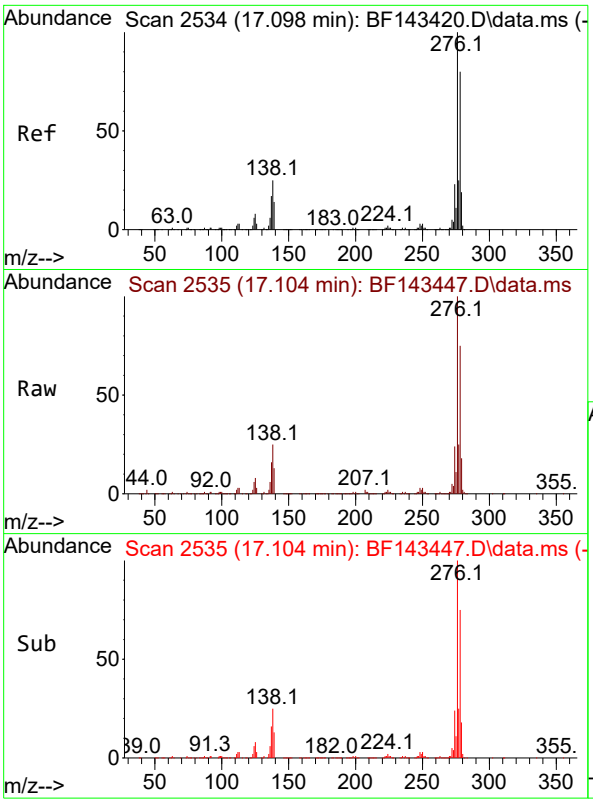


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:264 Resp: 298768

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.8	28.2
265	20.9	17.4	26.0

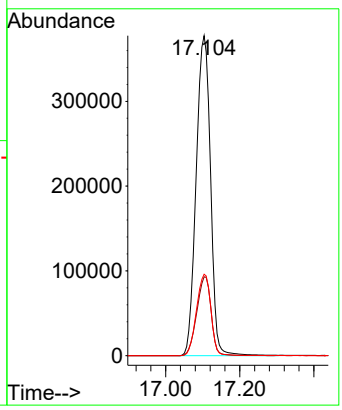




#87
Indeno(1,2,3-cd)pyrene
Concen: 45.311 ng
RT: 17.104 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:276 Resp: 101518

Ion	Ratio	Lower	Upper
276	100		
138	24.6	20.2	30.4
277	25.4	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
PB169285BS

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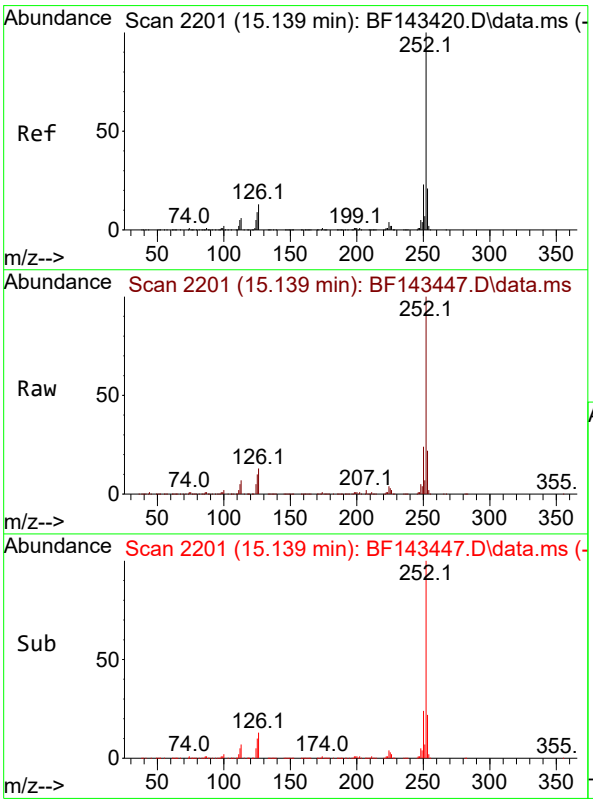
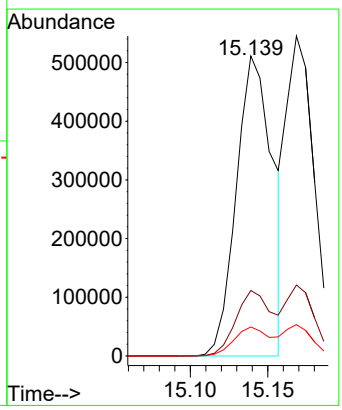
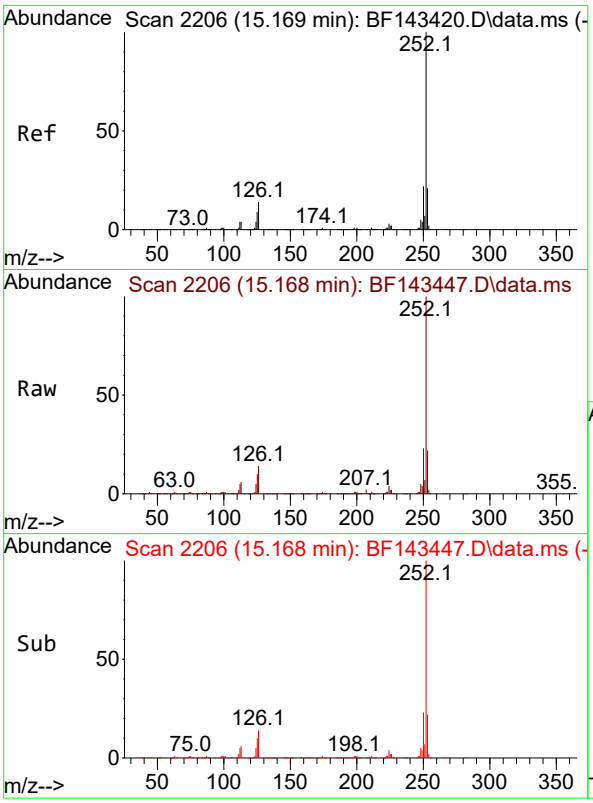


#88
Benzo(b)fluoranthene
Concen: 51.943 ng
RT: 15.139 min Scan# 2201
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:252 Resp: 831746

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	9.7	7.5	11.3

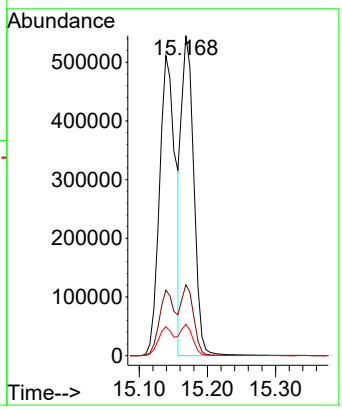




#89
Benzo(k)fluoranthene
Concen: 43.464 ng
RT: 15.168 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:252 Resp: 68645

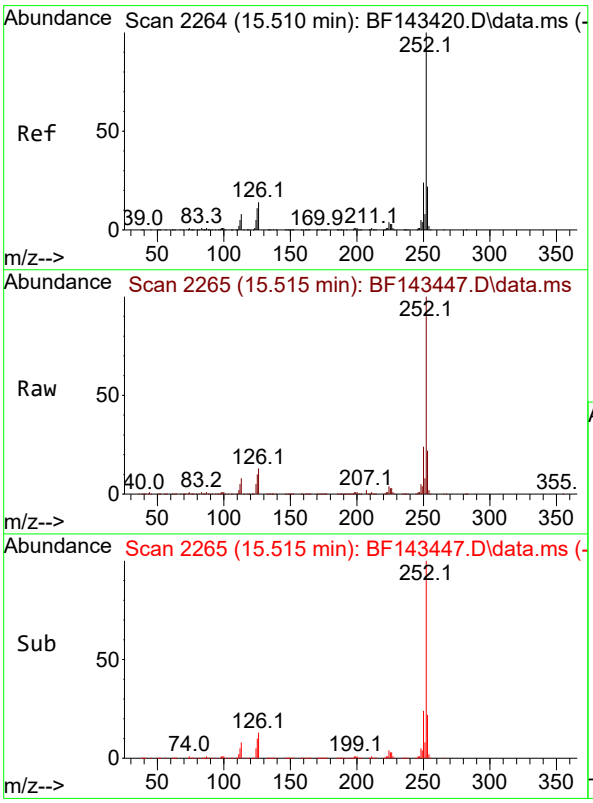
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.2	25.8
125	9.8	7.4	11.2



Instrument :
BNA_F
ClientSampleId :
PB169285BS

Manual Integrations
APPROVED

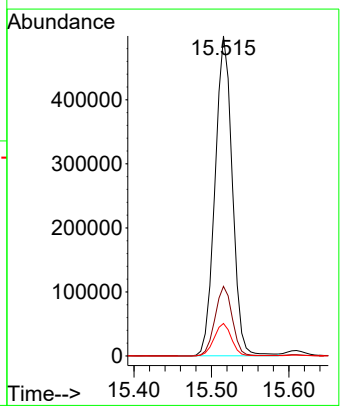
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

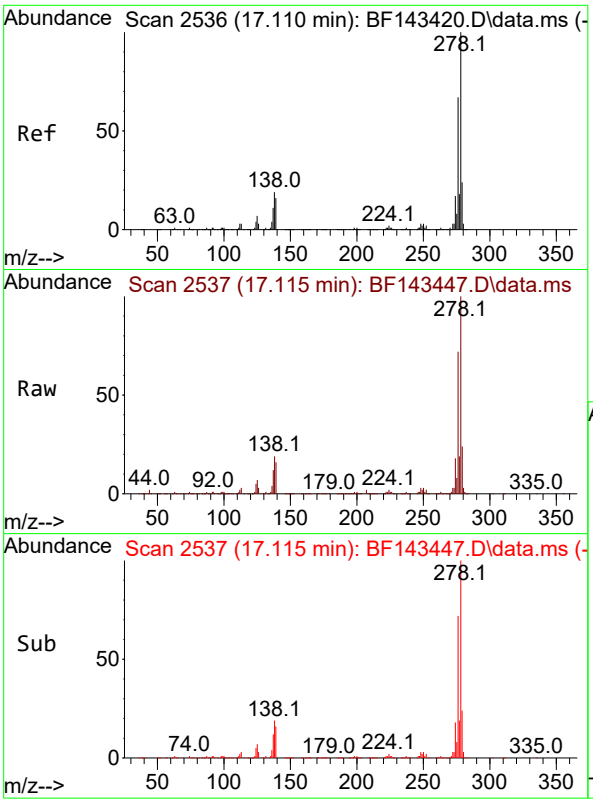


#90
Benzo(a)pyrene
Concen: 50.715 ng
RT: 15.515 min Scan# 2265
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:252 Resp: 773479

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	10.2	8.6	12.8

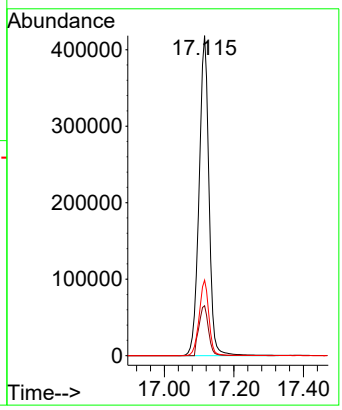




#91
Dibenzo(a,h)anthracene
Concen: 45.858 ng
RT: 17.115 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:278 Resp: 82508

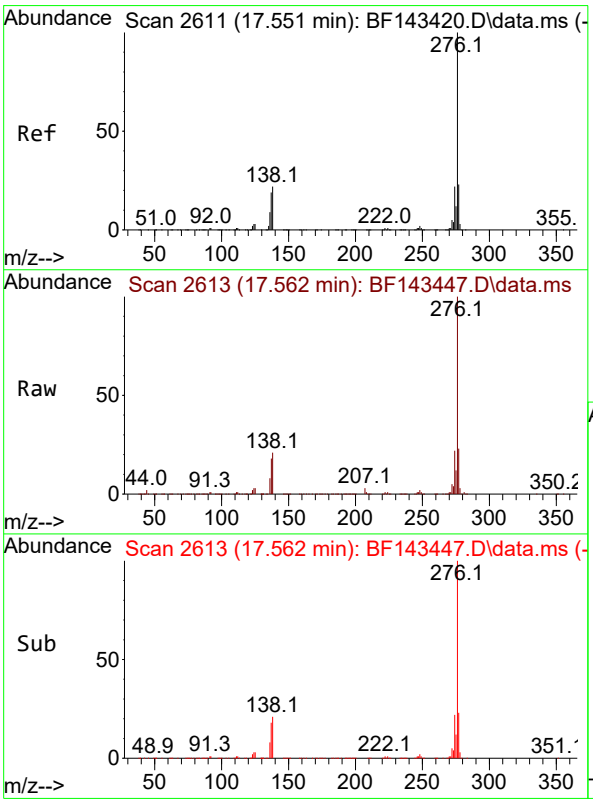
Ion	Ratio	Lower	Upper
278	100		
139	15.6	12.9	19.3
279	23.6	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
PB169285BS

Manual Integrations APPROVED

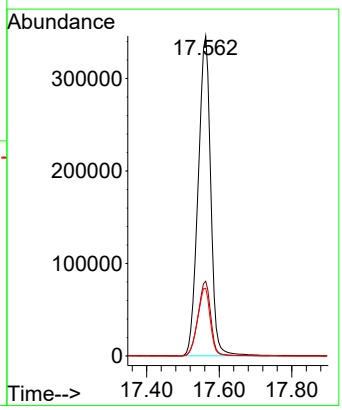
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#92
Benzo(g,h,i)perylene
Concen: 46.247 ng
RT: 17.562 min Scan# 2613
Delta R.T. 0.012 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:276 Resp: 831232

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.7	28.1
138	21.2	17.5	26.3



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	08/13/25
Project:	Raymark Superfund Site	Date Received:	08/13/25
Client Sample ID:	DRILL CUTTING 1-3 COMPMS	SDG No.:	Q2879
Lab Sample ID:	Q2873-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143449.D	1	08/18/25 09:06	08/19/25 11:35	PB169285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	1.10		0.016	0.090	0.12	mg/Kg
91-57-6	2-Methylnaphthalene	1.00		0.018	0.090	0.12	mg/Kg
208-96-8	Acenaphthylene	1.20		0.020	0.090	0.12	mg/Kg
83-32-9	Acenaphthene	1.10		0.015	0.090	0.12	mg/Kg
86-73-7	Fluorene	1.00		0.018	0.090	0.12	mg/Kg
85-01-8	Phenanthrene	1.10		0.014	0.090	0.12	mg/Kg
120-12-7	Anthracene	1.10		0.023	0.090	0.12	mg/Kg
206-44-0	Fluoranthene	1.00		0.021	0.090	0.12	mg/Kg
129-00-0	Pyrene	0.76		0.025	0.090	0.12	mg/Kg
56-55-3	Benzo(a)anthracene	1.10		0.016	0.090	0.12	mg/Kg
218-01-9	Chrysene	1.10		0.014	0.090	0.12	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.30		0.013	0.090	0.12	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.00		0.016	0.090	0.12	mg/Kg
50-32-8	Benzo(a)pyrene	1.20		0.020	0.090	0.12	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.77		0.020	0.090	0.12	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.78		0.019	0.090	0.12	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.73		0.018	0.090	0.12	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	64.2		37 - 122		64%	SPK: 100
321-60-8	2-Fluorobiphenyl	67.6		44 - 115		68%	SPK: 100
1718-51-0	Terphenyl-d14	45.8	*	54 - 127		46%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	121000	6.928				
1146-65-2	Naphthalene-d8	451000	8.21				
15067-26-2	Acenaphthene-d10	229000	9.963				
1517-22-2	Phenanthrene-d10	301000	11.445				
1719-03-5	Chrysene-d12	229000	14.086				
1520-96-3	Perylene-d12	284000	15.574				

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	08/13/25
Project:	Raymark Superfund Site	Date Received:	08/13/25
Client Sample ID:	DRILL CUTTING 1-3 COMPMS	SDG No.:	Q2879
Lab Sample ID:	Q2873-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143449.D	1	08/18/25 09:06	08/19/25 11:35	PB169285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143449.D
Acq On : 19 Aug 2025 11:35
Operator : RC/JU
Sample : Q2873-01MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Quant Time: Aug 19 12:36:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	121157	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	450837	20.000	ng		0.00
39) Acenaphthene-d10	9.963	164	228619	20.000	ng		0.00
64) Phenanthrene-d10	11.445	188	301268	20.000	ng		0.00
76) Chrysene-d12	14.086	240	229466	20.000	ng		0.00
86) Perylene-d12	15.574	264	284363	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.569	112	610514	87.595	ng		0.01
7) Phenol-d6	6.557	99	752395	85.660	ng		0.00
23) Nitrobenzene-d5	7.487	82	488097	64.243	ng		0.00
42) 2,4,6-Tribromophenol	10.751	330	168318	82.716	ng		0.00
45) 2-Fluorobiphenyl	9.281	172	919018	67.614	ng		0.00
79) Terphenyl-d14	13.027	244	625894	45.820	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.810	88	154224	45.970	ng		99
3) Pyridine	3.575	79	374355	42.545	ng		99
4) n-Nitrosodimethylamine	3.516	42	208501	50.980	ng		100
6) Aniline	6.587	93	357522	29.983	ng	#	82
8) 2-Chlorophenol	6.716	128	355400	46.187	ng		99
9) Benzaldehyde	6.475	77	201358	43.093	ng		100
10) Phenol	6.575	94	449783	43.883	ng		99
11) bis(2-Chloroethyl)ether	6.657	93	345555	45.482	ng		98
12) 1,3-Dichlorobenzene	6.869	146	406303	47.137	ng		100
13) 1,4-Dichlorobenzene	6.945	146	411718	47.844	ng		100
14) 1,2-Dichlorobenzene	7.098	146	392811	47.791	ng		100
15) Benzyl Alcohol	7.063	79	312919	48.309	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.198	45	584765	45.021	ng		98
17) 2-Methylphenol	7.181	107	287919	45.861	ng		99
18) Hexachloroethane	7.440	117	136425	46.575	ng		99
19) n-Nitroso-di-n-propyla...	7.334	70	247140	45.449	ng		98
20) 3+4-Methylphenols	7.334	107	334628	44.586	ng		98
22) Acetophenone	7.328	105	469144	48.399	ng		99
24) Nitrobenzene	7.504	77	377953	47.597	ng		98
25) Isophorone	7.745	82	679129	46.703	ng		99
26) 2-Nitrophenol	7.822	139	187455	50.923	ng		99
27) 2,4-Dimethylphenol	7.857	122	270864	43.519	ng		98
28) bis(2-Chloroethoxy)met...	7.951	93	412651	46.169	ng		100
29) 2,4-Dichlorophenol	8.069	162	291798	45.991	ng		100
30) 1,2,4-Trichlorobenzene	8.151	180	324051	49.847	ng		99
31) Naphthalene	8.228	128	995711	46.521	ng		100
32) Benzoic acid	7.981	122	156661	48.397	ng		98
33) 4-Chloroaniline	8.275	127	114610	14.835	ng		99
34) Hexachlorobutadiene	8.351	225	215006	51.865	ng		99
35) Caprolactam	8.639	113	86073	47.120	ng		99
36) 4-Chloro-3-methylphenol	8.763	107	305716	46.785	ng		99
37) 2-Methylnaphthalene	8.922	142	632537	43.843	ng		99
38) 1-Methylnaphthalene	9.022	142	647520	46.845	ng		100
40) 1,2,4,5-Tetrachloroben...	9.086	216	331482	51.990	ng		99
41) Hexachlorocyclopentadiene	9.075	237	303655	126.418	ng		98
43) 2,4,6-Trichlorophenol	9.198	196	205229	51.600	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143449.D
Acq On : 19 Aug 2025 11:35
Operator : RC/JU
Sample : Q2873-01MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Quant Time: Aug 19 12:36:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

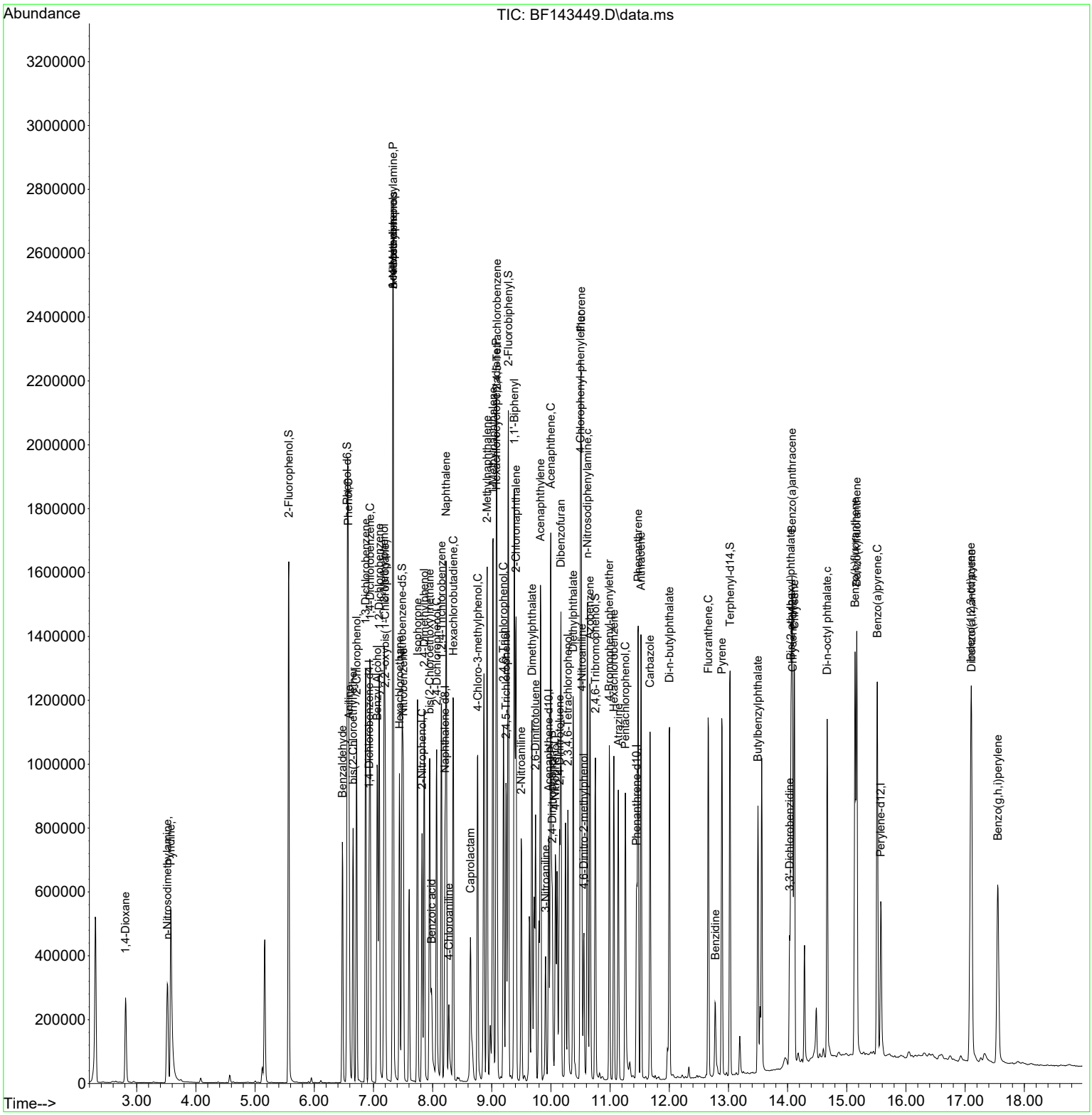
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.239	196	215454	50.536	ng	97
46) 1,1'-Biphenyl	9.381	154	805086	50.120	ng	99
47) 2-Chloronaphthalene	9.410	162	599135	47.252	ng	99
48) 2-Nitroaniline	9.498	65	178805	47.387	ng	99
49) Acenaphthylene	9.822	152	952589	52.034	ng	100
50) Dimethylphthalate	9.681	163	680406	47.737	ng	99
51) 2,6-Dinitrotoluene	9.739	165	146286	52.063	ng	97
52) Acenaphthene	9.998	154	606233	49.235	ng	100
53) 3-Nitroaniline	9.910	138	81000	25.880	ng	99
54) 2,4-Dinitrophenol	10.022	184	119594	90.720	ng	98
55) Dibenzofuran	10.169	168	802136	45.159	ng	98
56) 4-Nitrophenol	10.075	139	168682	85.723	ng	96
57) 2,4-Dinitrotoluene	10.145	165	184190	49.168	ng	98
58) Fluorene	10.510	166	599489	43.933	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.286	232	157718	48.871	ng	99
60) Diethylphthalate	10.375	149	617383	46.873	ng	100
61) 4-Chlorophenyl-phenyle...	10.498	204	307174	45.531	ng	99
62) 4-Nitroaniline	10.522	138	120228	41.074	ng	99
63) Azobenzene	10.657	77	636313	47.798	ng	98
65) 4,6-Dinitro-2-methylph...	10.557	198	86890	55.898	ng	99
66) n-Nitrosodiphenylamine	10.616	169	509521	52.014	ng	100
67) 4-Bromophenyl-phenylether	10.986	248	184233	51.786	ng	96
68) Hexachlorobenzene	11.063	284	191784	50.709	ng	99
69) Atrazine	11.139	200	148322	51.767	ng	99
70) Pentachlorophenol	11.257	266	172361	103.630	ng	99
71) Phenanthrene	11.475	178	776435	47.593	ng	100
72) Anthracene	11.522	178	772138	46.860	ng	99
73) Carbazole	11.675	167	625322	44.871	ng	100
74) Di-n-butylphthalate	12.004	149	797580	57.471	ng	100
75) Fluoranthene	12.657	202	655932	45.249	ng	99
77) Benzidine	12.780	184	143473	20.938	ng	99
78) Pyrene	12.886	202	655040	32.843	ng	100
80) Butylbenzylphthalate	13.498	149	258783	52.385	ng	100
81) Benzo(a)anthracene	14.074	228	683053	46.755	ng	99
82) 3,3'-Dichlorobenzidine	14.033	252	124926	29.206	ng	100
83) Chrysene	14.116	228	655070	48.503	ng	100
84) Bis(2-ethylhexyl)phtha...	14.057	149	371677	52.979	ng	99
85) Di-n-octyl phthalate	14.668	149	701407	49.293	ng	100
87) Indeno(1,2,3-cd)pyrene	17.098	276	714910	33.525	ng	99
88) Benzo(b)fluoranthene	15.139	252	869532	57.053	ng	98
89) Benzo(k)fluoranthene	15.168	252	665050	44.242	ng	99
90) Benzo(a)pyrene	15.515	252	738937	50.905	ng	100
91) Dibenzo(a,h)anthracene	17.109	278	582864	34.037	ng	99
92) Benzo(g,h,i)perylene	17.551	276	541892	31.676	ng	100

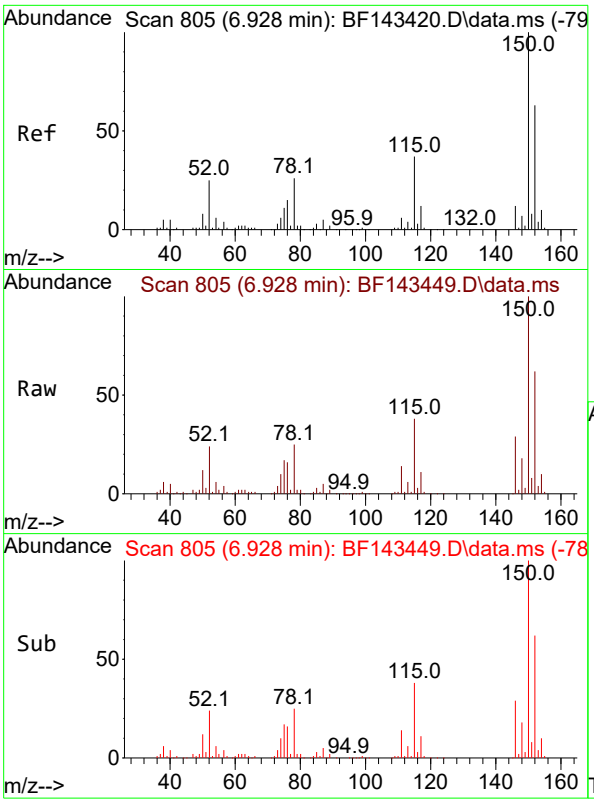
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143449.D
Acq On : 19 Aug 2025 11:35
Operator : RC/JU
Sample : Q2873-01MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Quant Time: Aug 19 12:36:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration



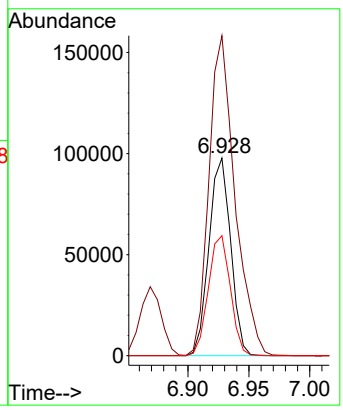


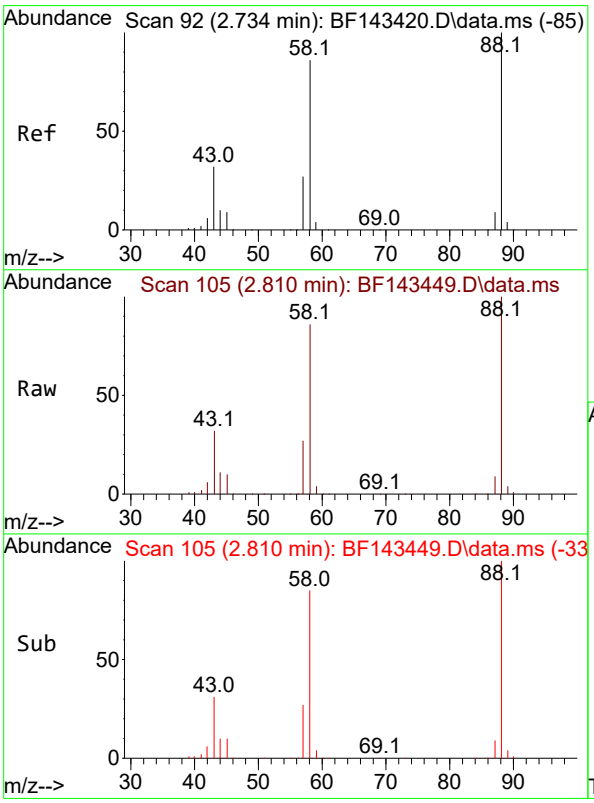
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:152 Resp: 121157

Ion	Ratio	Lower	Upper
152	100		
150	162.0	127.4	191.2
115	60.8	47.5	71.3

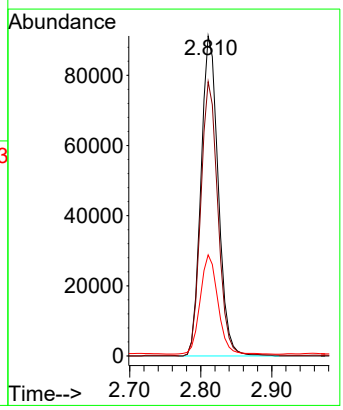


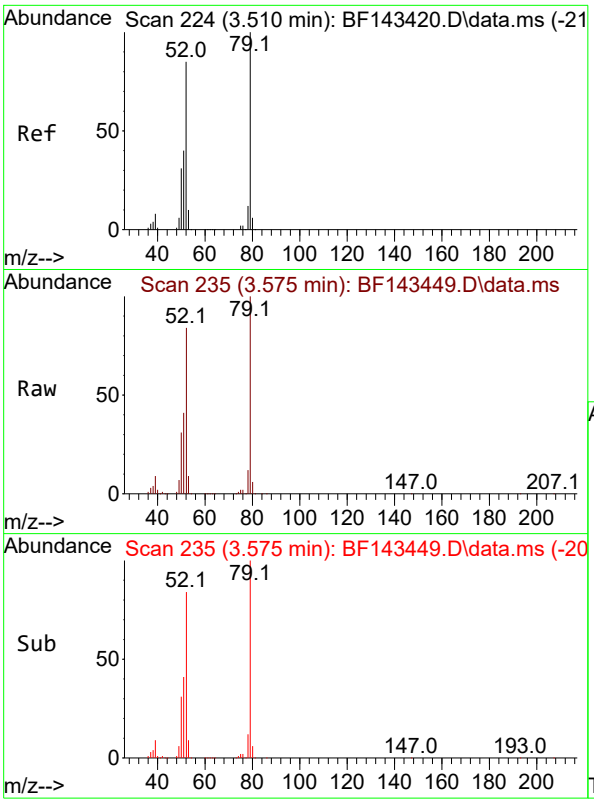


#2
1,4-Dioxane
Concen: 45.970 ng
RT: 2.810 min Scan# 105
Delta R.T. 0.076 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion: 88 Resp: 154224

Ion	Ratio	Lower	Upper
88	100		
58	85.7	68.7	103.1
43	31.9	26.1	39.1



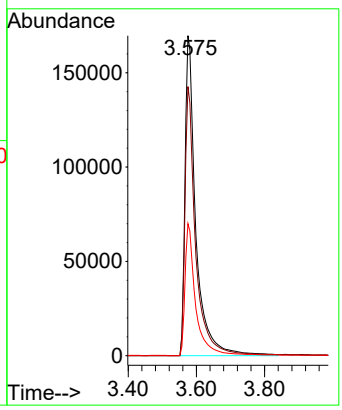


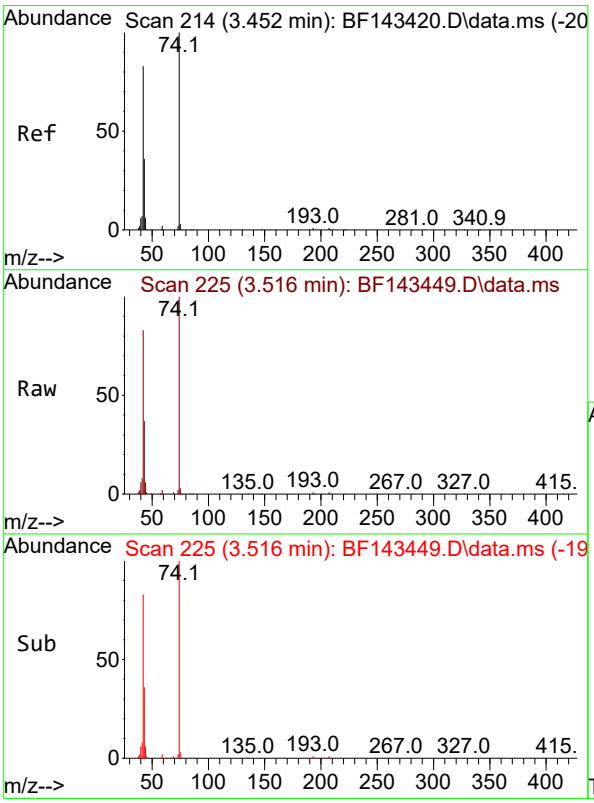
#3
Pyridine
Concen: 42.545 ng
RT: 3.575 min Scan# 2
Delta R.T. 0.065 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion: 79 Resp: 374355

Ion	Ratio	Lower	Upper
79	100		
52	84.1	67.7	101.5
51	41.3	32.3	48.5

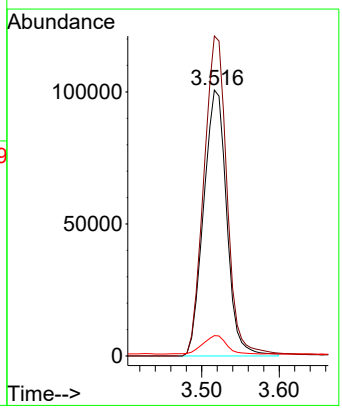


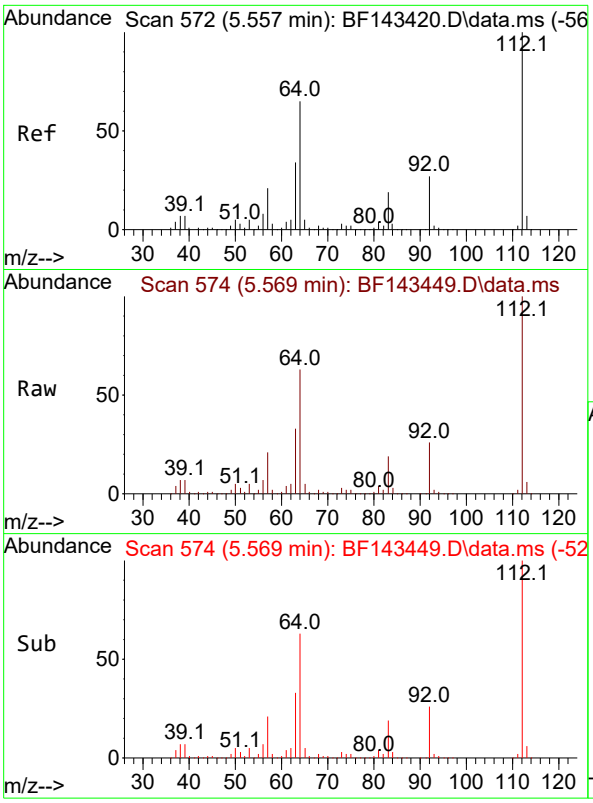


#4
n-Nitrosodimethylamine
Concen: 50.980 ng
RT: 3.516 min Scan# 225
Delta R.T. 0.065 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion: 42 Resp: 208501

Ion	Ratio	Lower	Upper
42	100		
74	120.3	96.2	144.4
44	7.6	5.9	8.9



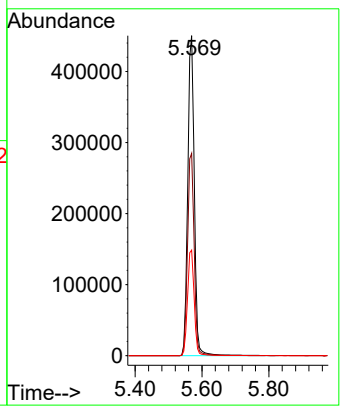


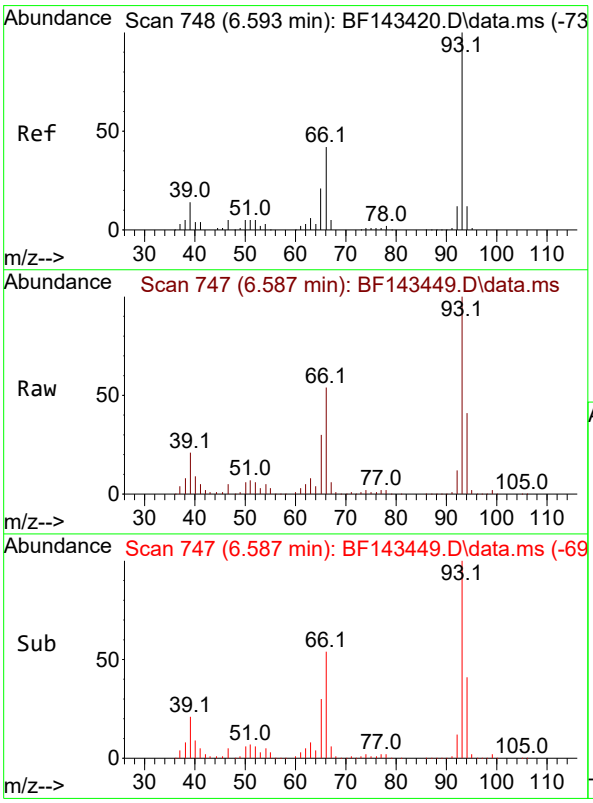
#5
2-Fluorophenol
Concen: 87.595 ng
RT: 5.569 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:112 Resp: 610514

Ion	Ratio	Lower	Upper
112	100		
64	63.2	52.2	78.2
63	33.0	27.0	40.6

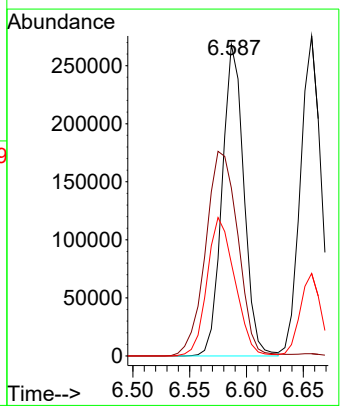


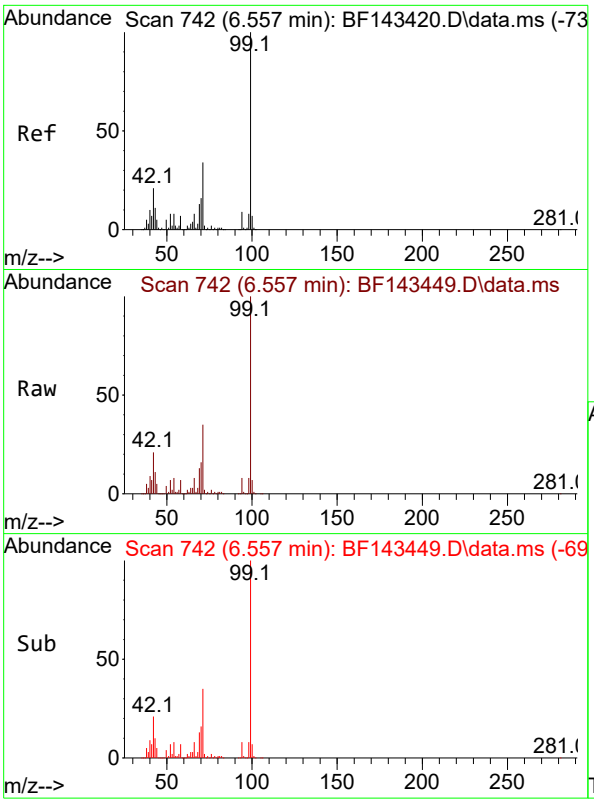


#6
Aniline
Concen: 29.983 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion: 93 Resp: 357522

Ion	Ratio	Lower	Upper
93	100		
66	54.0	33.8	50.8#
65	29.8	17.2	25.8#



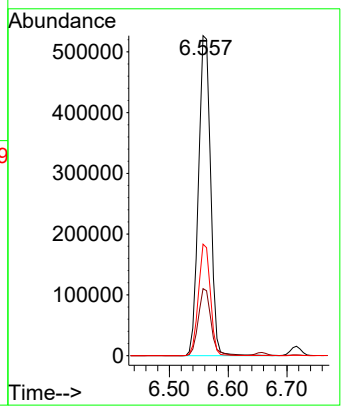


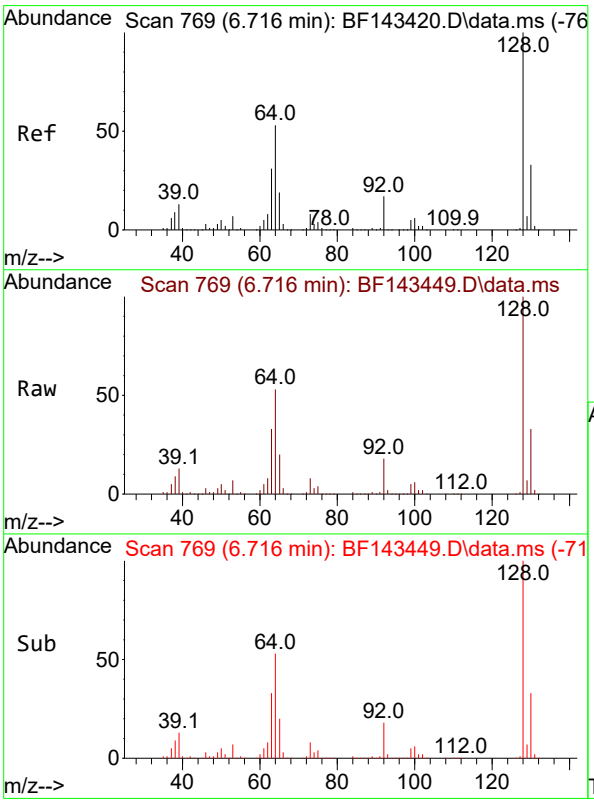
#7
Phenol-d6
Concen: 85.660 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion: 99 Resp: 752395

Ion	Ratio	Lower	Upper
99	100		
42	20.9	17.0	25.6
71	34.9	27.4	41.2

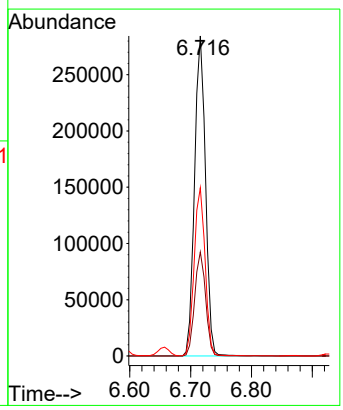


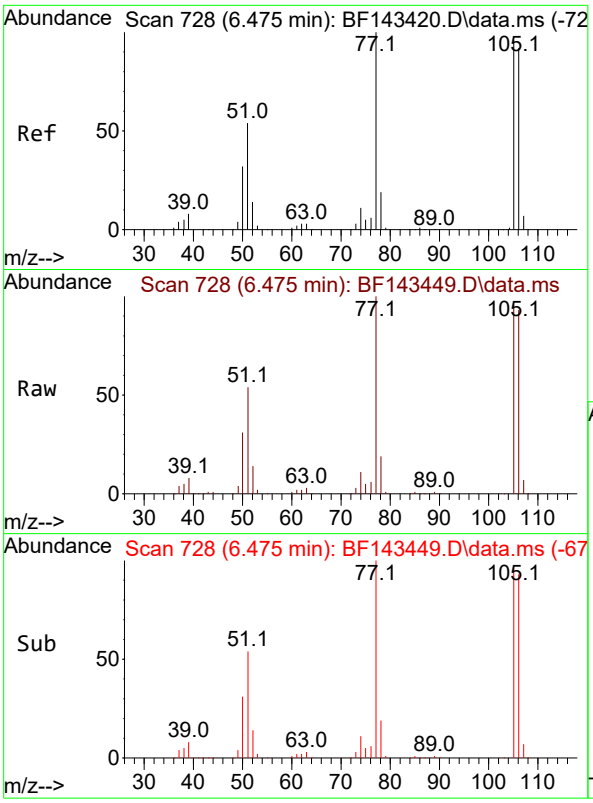


#8
2-Chlorophenol
Concen: 46.187 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:128 Resp: 355400

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.9	52.9
64	52.6	33.1	73.1



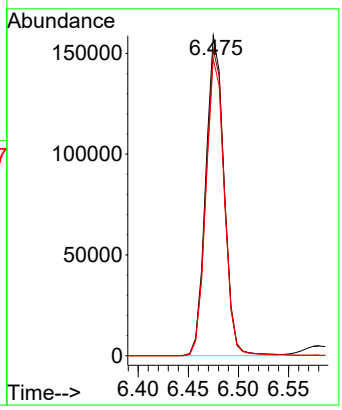


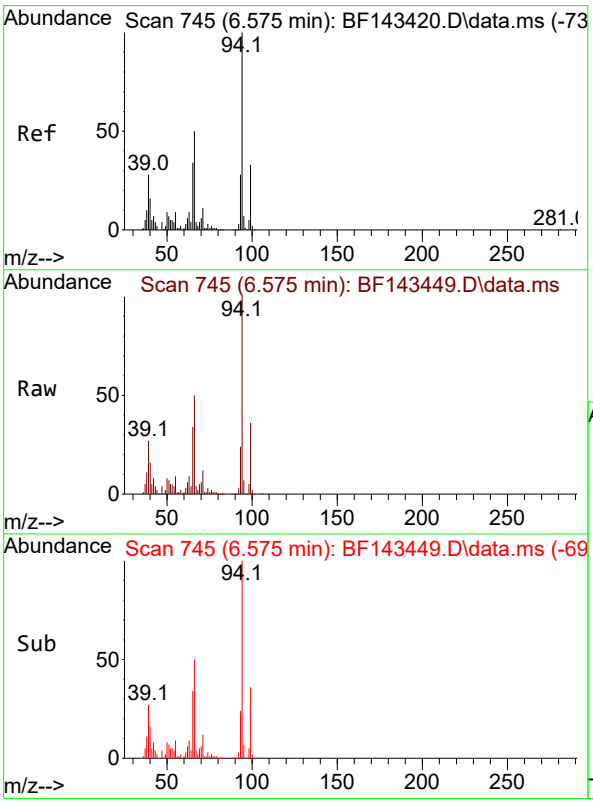
#9
Benzaldehyde
Concen: 43.093 ng
RT: 6.475 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion: 77 Resp: 201358

Ion	Ratio	Lower	Upper
77	100		
105	95.6	75.5	115.5
106	92.7	72.0	112.0

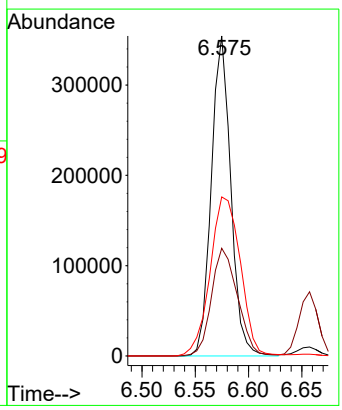


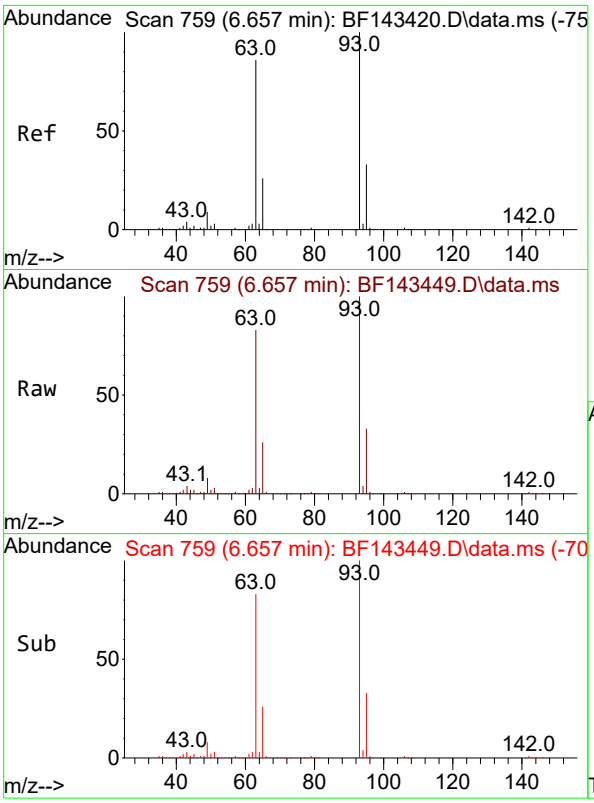


#10
Phenol
Concen: 43.883 ng
RT: 6.575 min Scan# 745
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion: 94 Resp: 449783

Ion	Ratio	Lower	Upper
94	100		
65	33.6	13.7	53.7
66	49.7	30.3	70.3



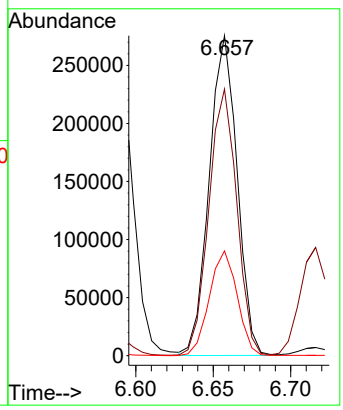


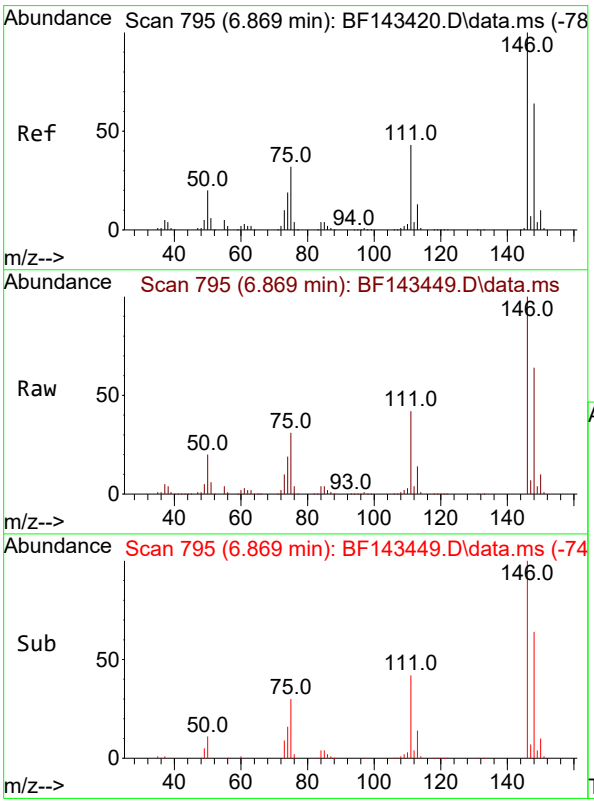
#11
bis(2-Chloroethyl)ether
Concen: 45.482 ng
RT: 6.657 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion: 93 Resp: 345555

Ion	Ratio	Lower	Upper
93	100		
63	83.3	65.4	105.4
95	32.8	12.8	52.8

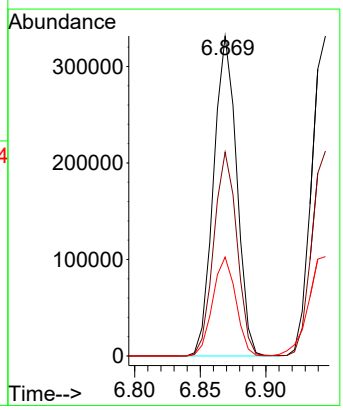


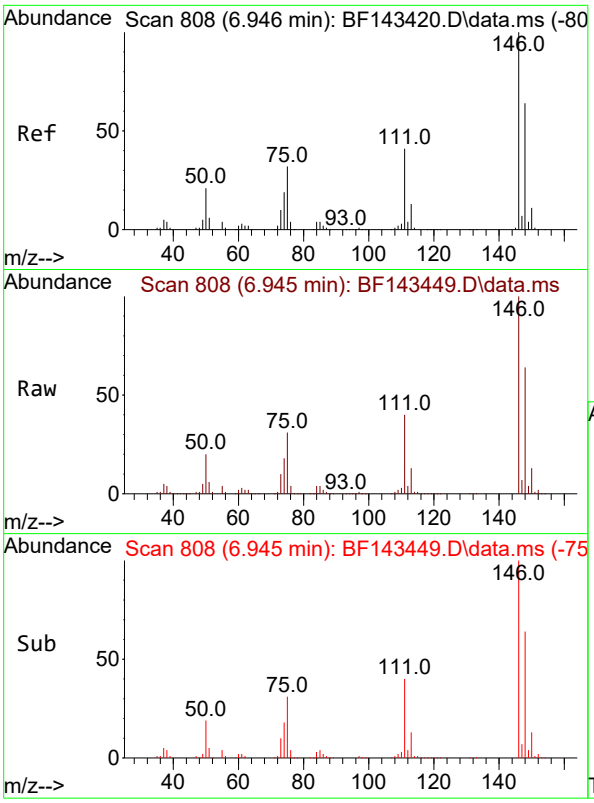


#12
1,3-Dichlorobenzene
Concen: 47.137 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:146 Resp: 406303

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.4
75	30.9	25.3	37.9



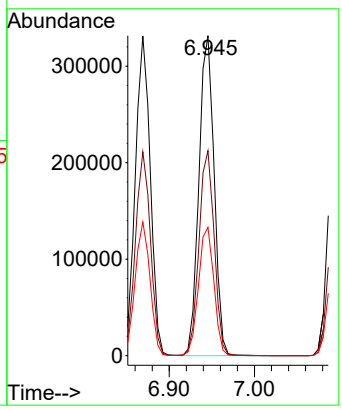


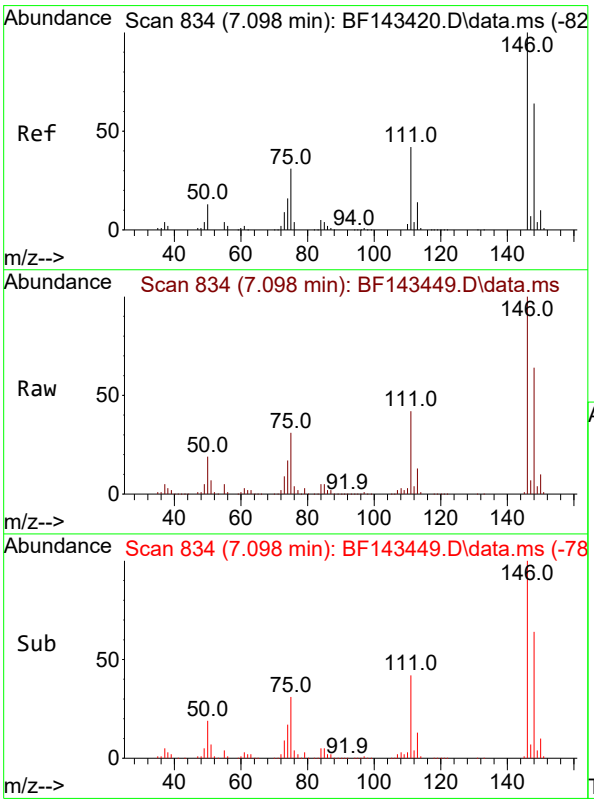
#13
1,4-Dichlorobenzene
Concen: 47.844 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:146 Resp: 411718

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.1	76.7
111	40.1	32.5	48.7

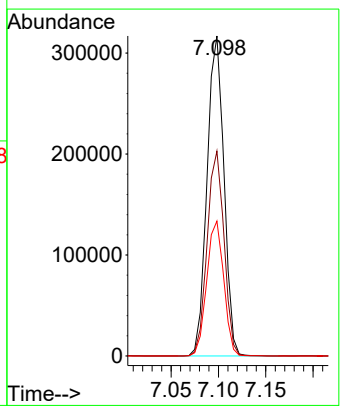


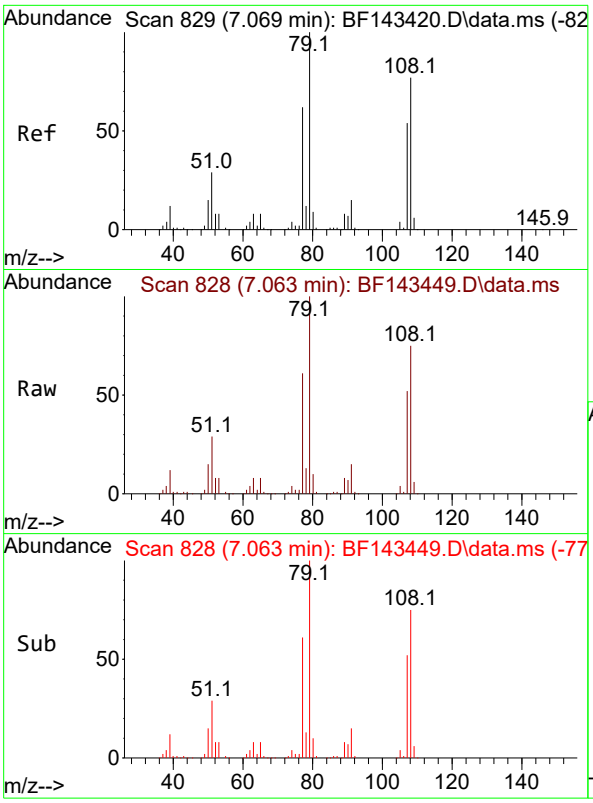


#14
1,2-Dichlorobenzene
Concen: 47.791 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:146 Resp: 392811

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.4	77.0
111	42.2	33.9	50.9



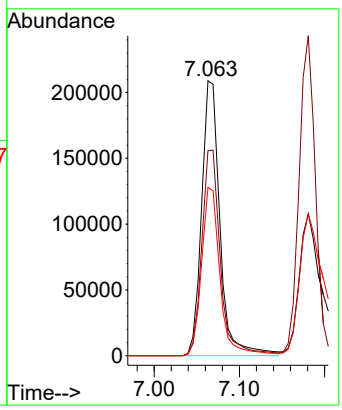


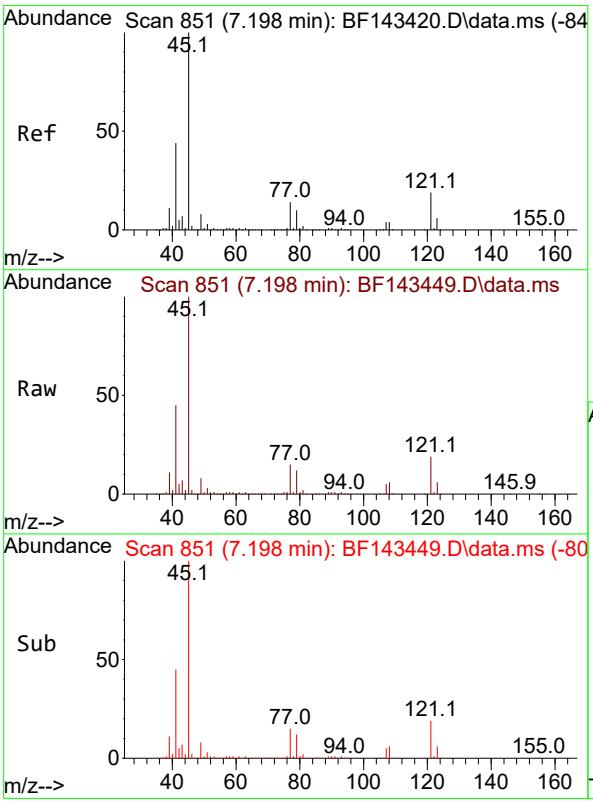
#15
Benzyl Alcohol
Concen: 48.309 ng
RT: 7.063 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion: 79 Resp: 312919

Ion	Ratio	Lower	Upper
79	100		
108	74.5	61.9	92.9
77	61.2	49.2	73.8

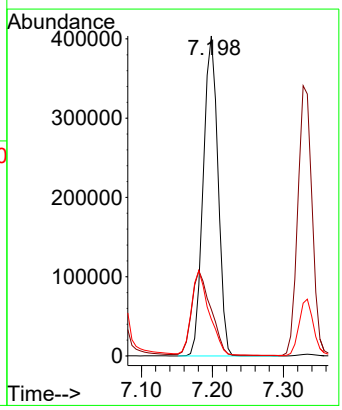


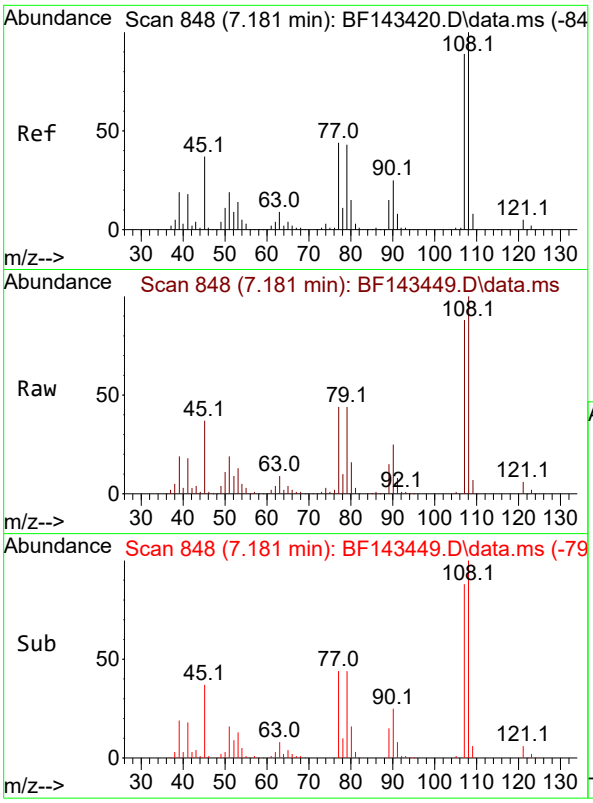


#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.021 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion: 45 Resp: 584765

Ion	Ratio	Lower	Upper
45	100		
77	14.5	0.0	33.9
79	11.5	0.0	30.7



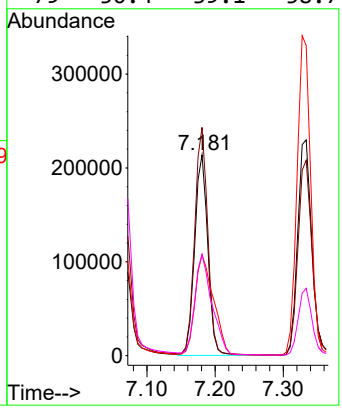


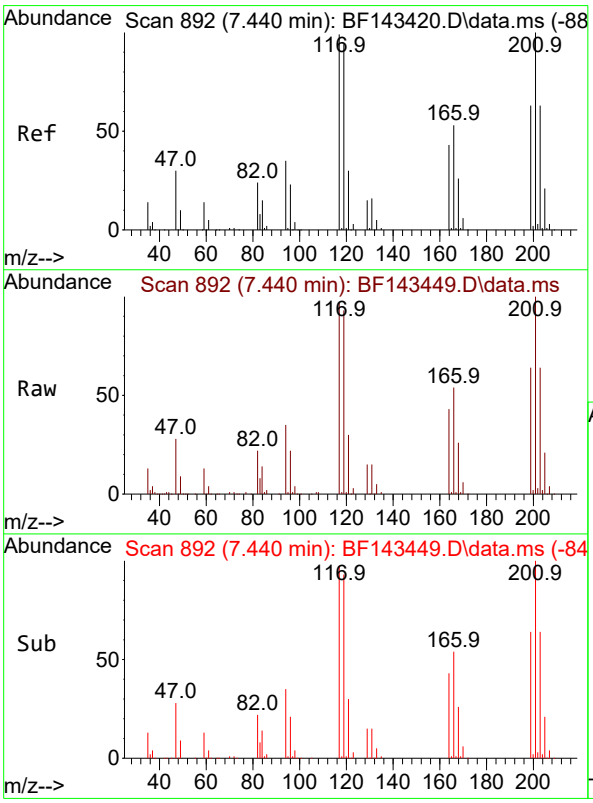
#17
2-Methylphenol
Concen: 45.861 ng
RT: 7.181 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:107 Resp: 287919

Ion	Ratio	Lower	Upper
107	100		
108	113.7	90.1	135.1
77	50.3	39.9	59.9
79	50.4	39.1	58.7

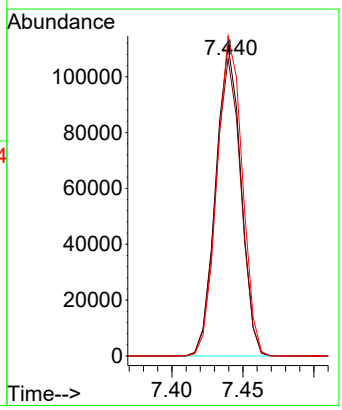


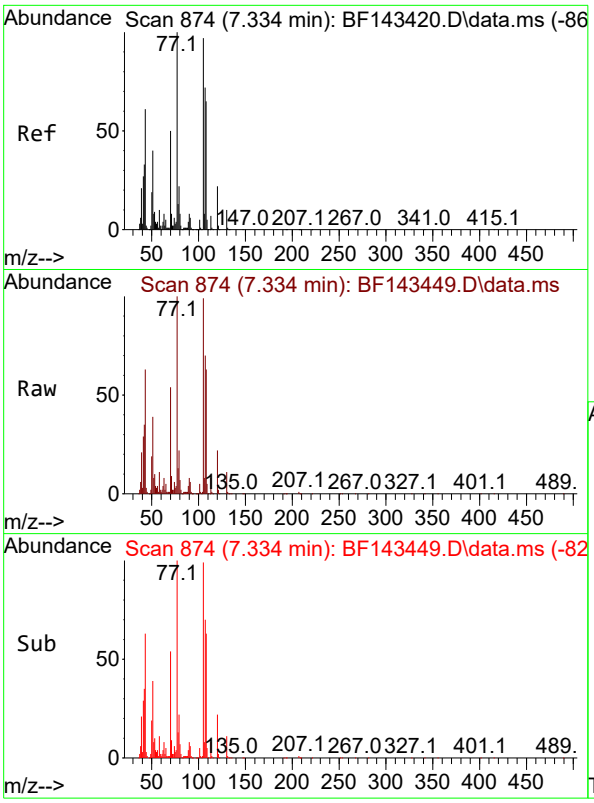


#18
Hexachloroethane
Concen: 46.575 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:117 Resp: 136425

Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.6	114.8
201	103.0	81.0	121.4



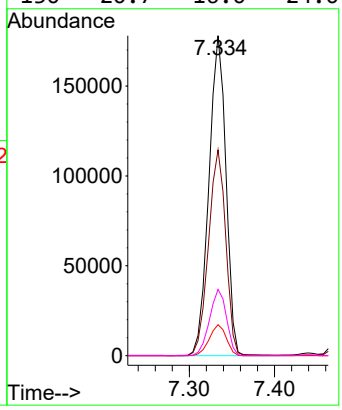


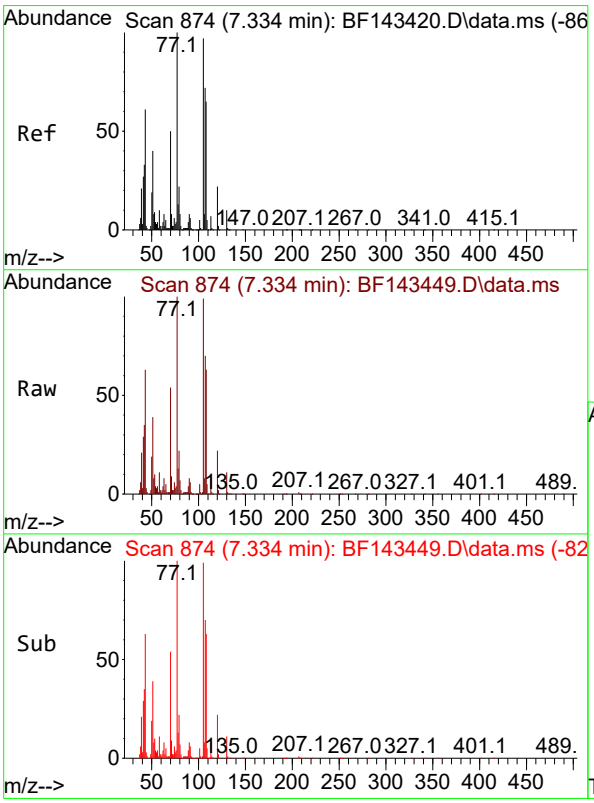
#19
n-Nitroso-di-n-propylamine
Concen: 45.449 ng
RT: 7.334 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion: 70 Resp: 247140

Ion	Ratio	Lower	Upper
70	100		
42	64.3	52.5	78.7
101	9.7	7.9	11.9
130	20.7	16.0	24.0

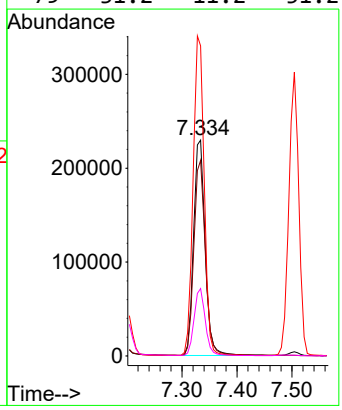


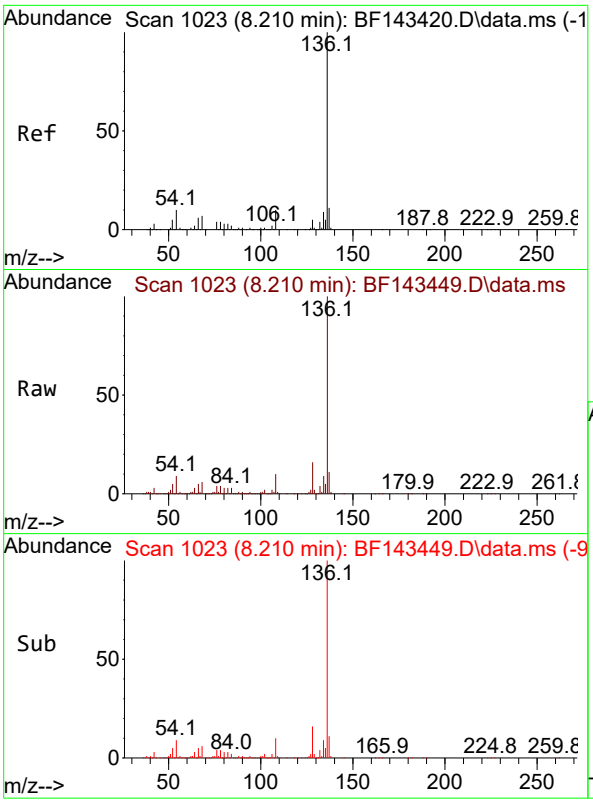


#20
3+4-Methylphenols
Concen: 44.586 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:107 Resp: 334628

Ion	Ratio	Lower	Upper
107	100		
108	90.6	70.8	110.8
77	143.7	119.1	159.1
79	31.2	11.2	51.2



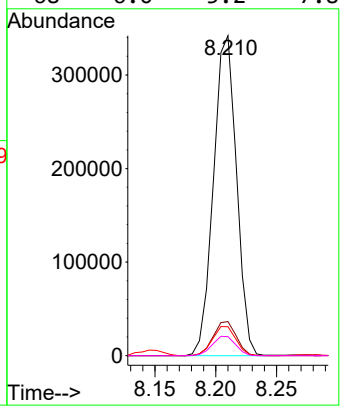


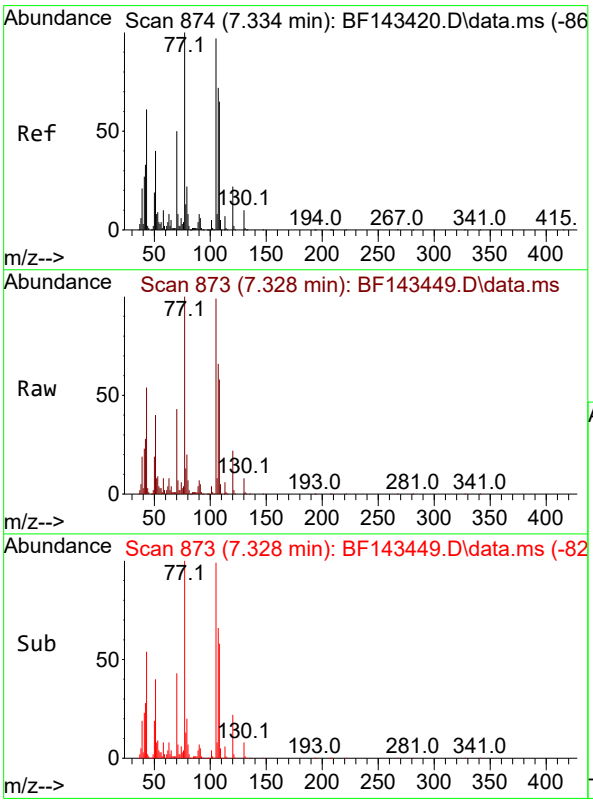
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:136 Resp: 450837

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	9.0	7.8	11.8
68	6.0	5.2	7.8

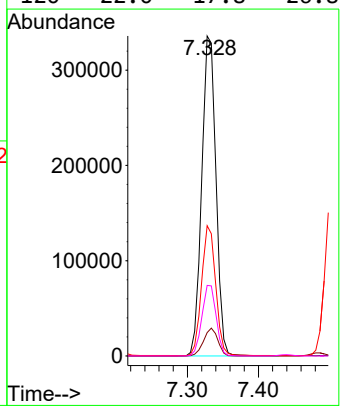


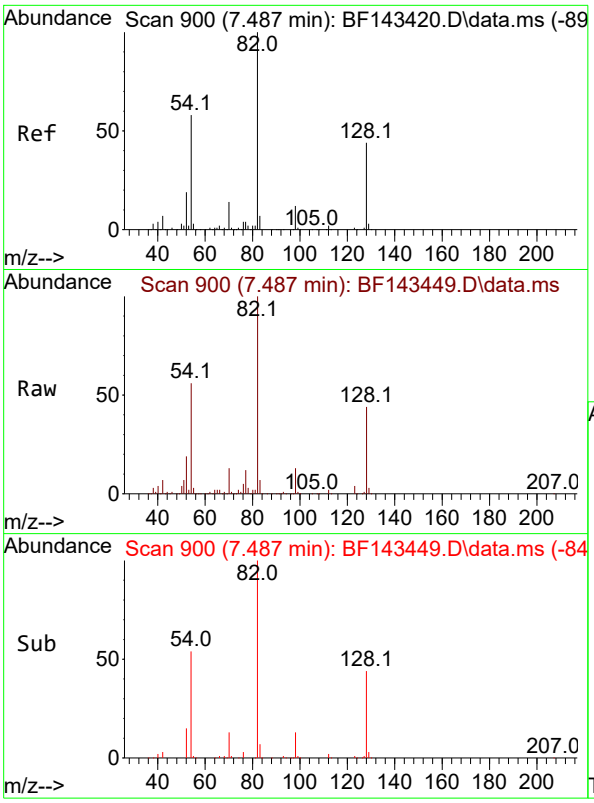


#22
Acetophenone
Concen: 48.399 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:105 Resp: 469144

Ion	Ratio	Lower	Upper
105	100		
71	7.3	7.0	10.4
51	40.7	32.7	49.1
120	22.0	17.8	26.8



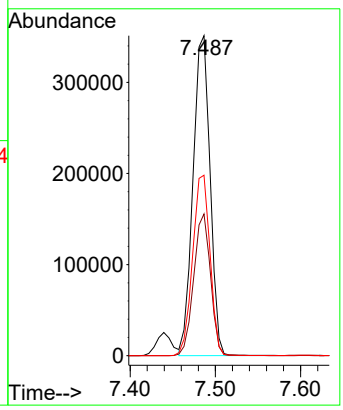


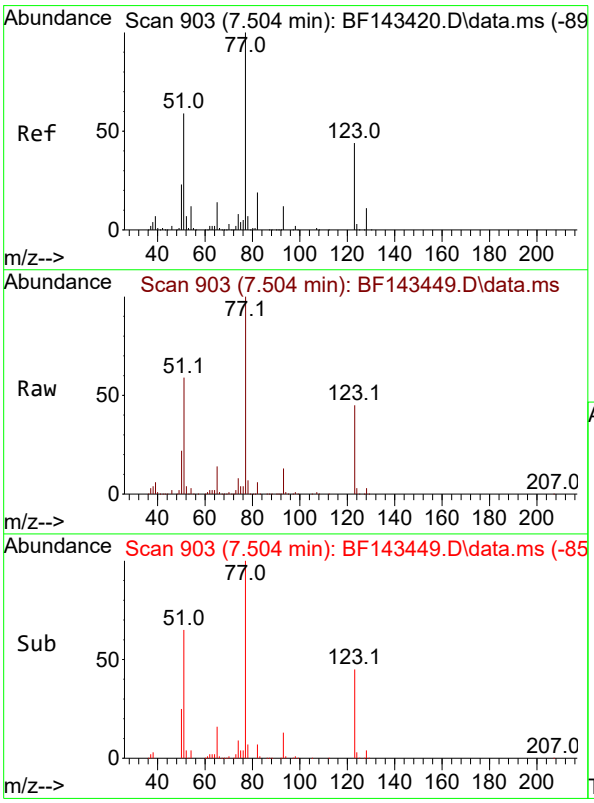
#23
Nitrobenzene-d5
Concen: 64.243 ng
RT: 7.487 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion: 82 Resp: 488097

Ion	Ratio	Lower	Upper
82	100		
128	44.3	34.6	52.0
54	56.4	46.0	69.0

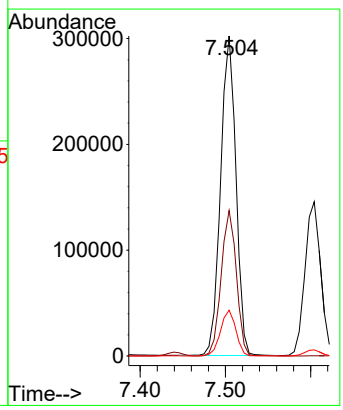


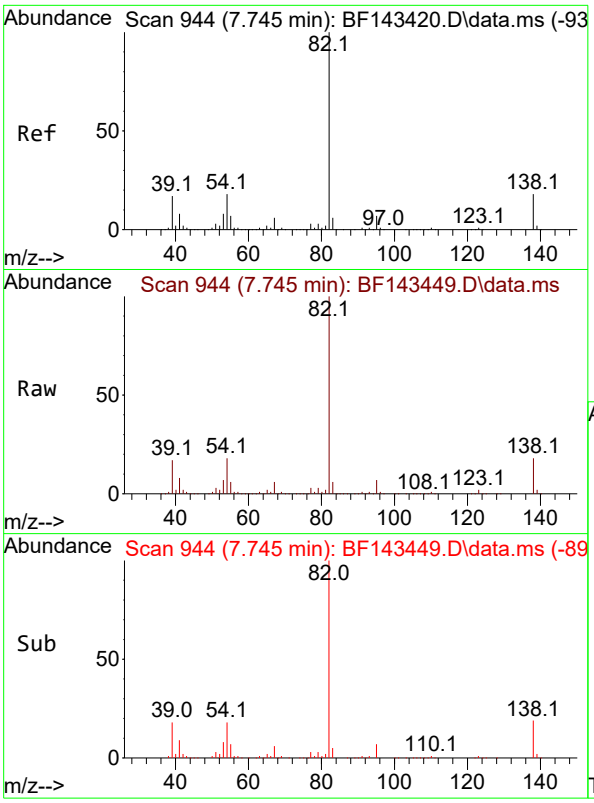


#24
Nitrobenzene
Concen: 47.597 ng
RT: 7.504 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion: 77 Resp: 377953

Ion	Ratio	Lower	Upper
77	100		
123	45.4	35.4	53.0
65	14.3	11.2	16.8



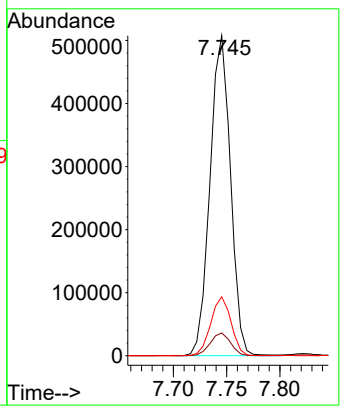


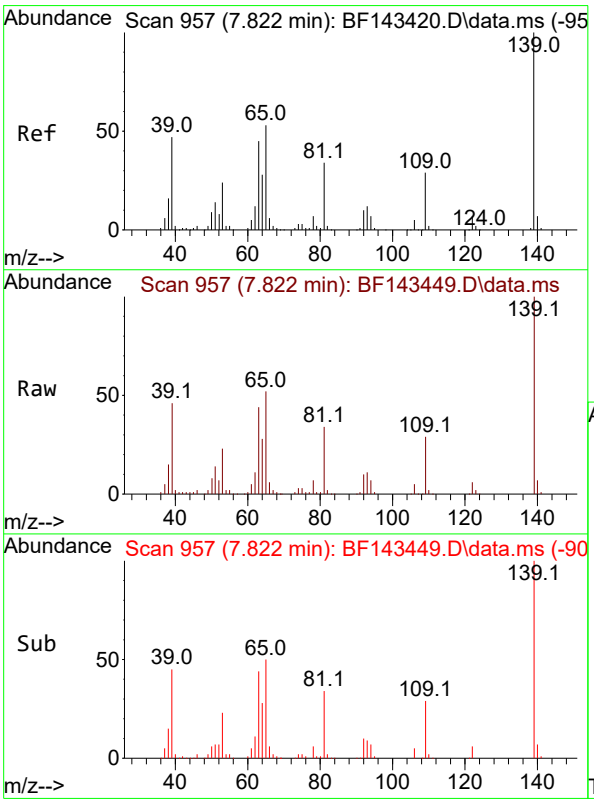
#25
Isophorone
Concen: 46.703 ng
RT: 7.745 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion: 82 Resp: 679129

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.6	8.4
138	18.4	14.3	21.5

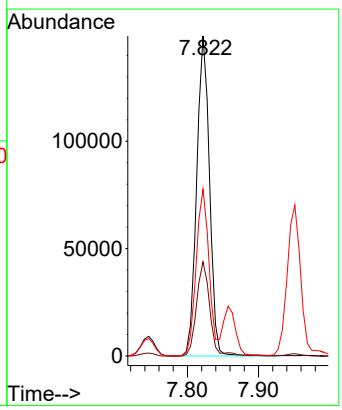


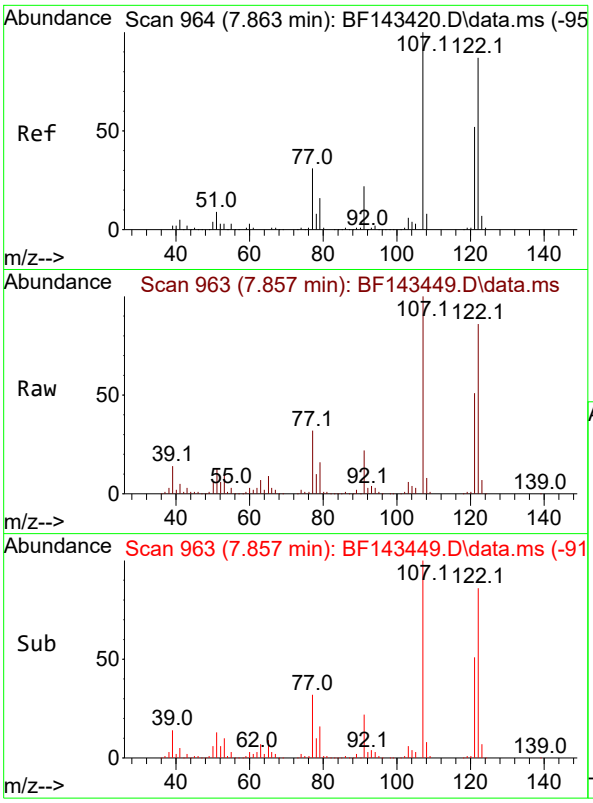


#26
2-Nitrophenol
Concen: 50.923 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:139 Resp: 187455

Ion	Ratio	Lower	Upper
139	100		
109	29.4	23.0	34.4
65	52.1	42.5	63.7



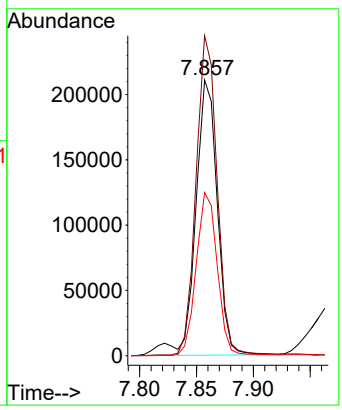


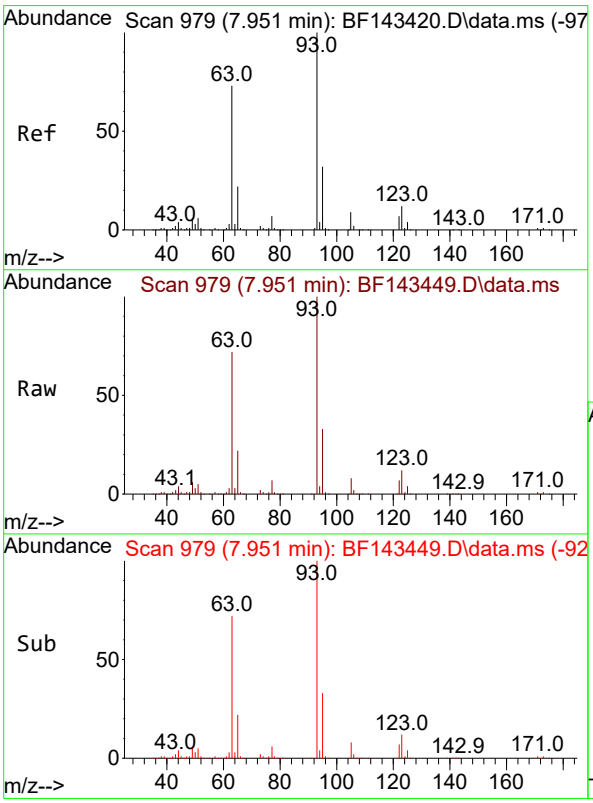
#27
2,4-Dimethylphenol
Concen: 43.519 ng
RT: 7.857 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:122 Resp: 270864

Ion	Ratio	Lower	Upper
122	100		
107	116.1	90.4	135.6
121	59.2	46.7	70.1

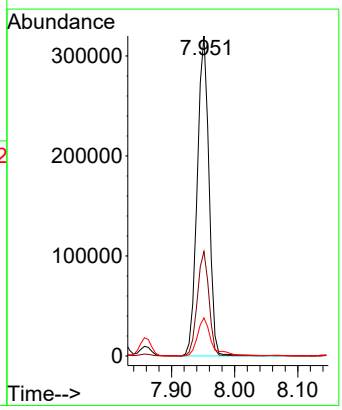


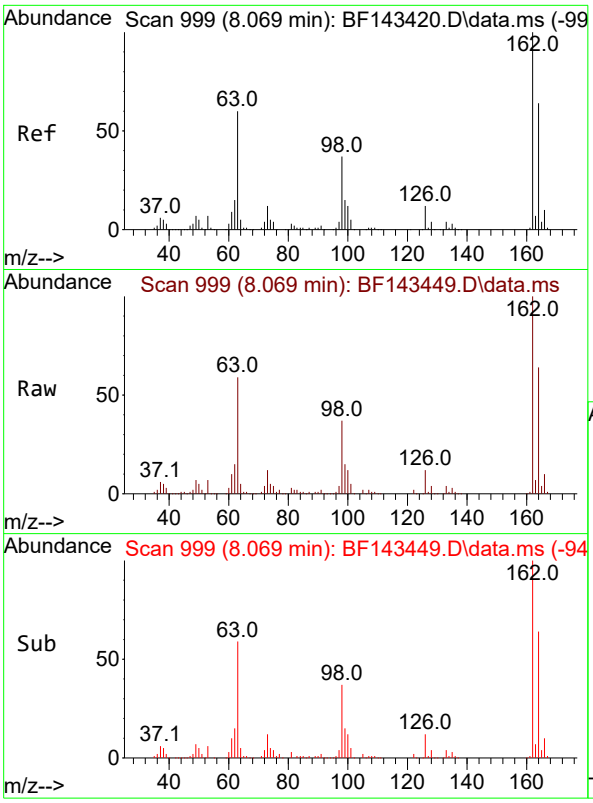


#28
bis(2-Chloroethoxy)methane
Concen: 46.169 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion: 93 Resp: 412651

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.0	39.0
123	11.9	9.5	14.3



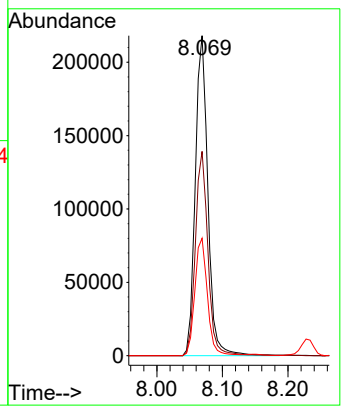


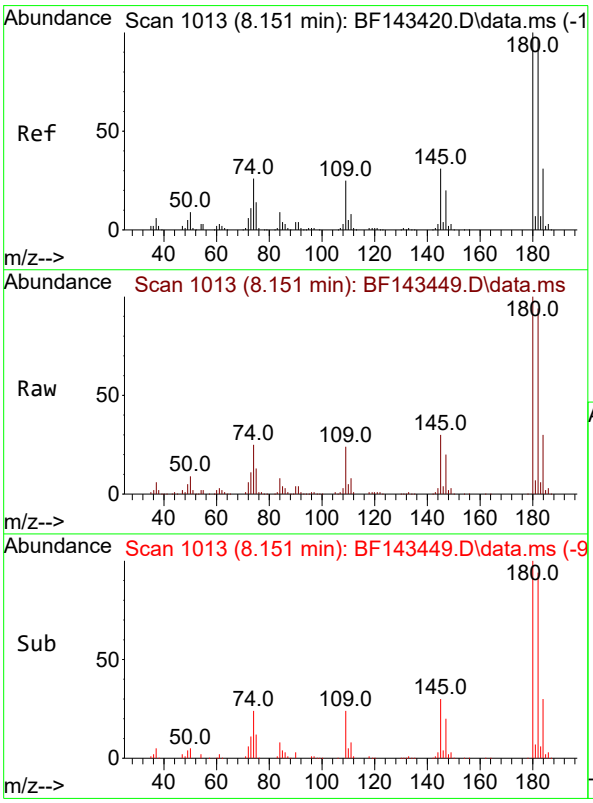
#29
2,4-Dichlorophenol
Concen: 45.991 ng
RT: 8.069 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:162 Resp: 291798

Ion	Ratio	Lower	Upper
162	100		
164	63.8	44.3	84.3
98	36.7	16.9	56.9

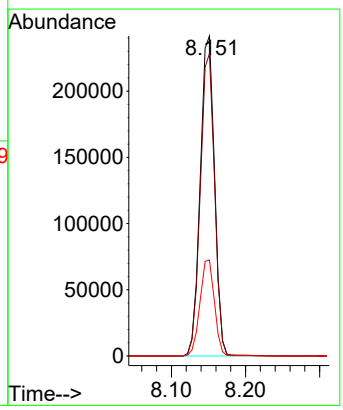


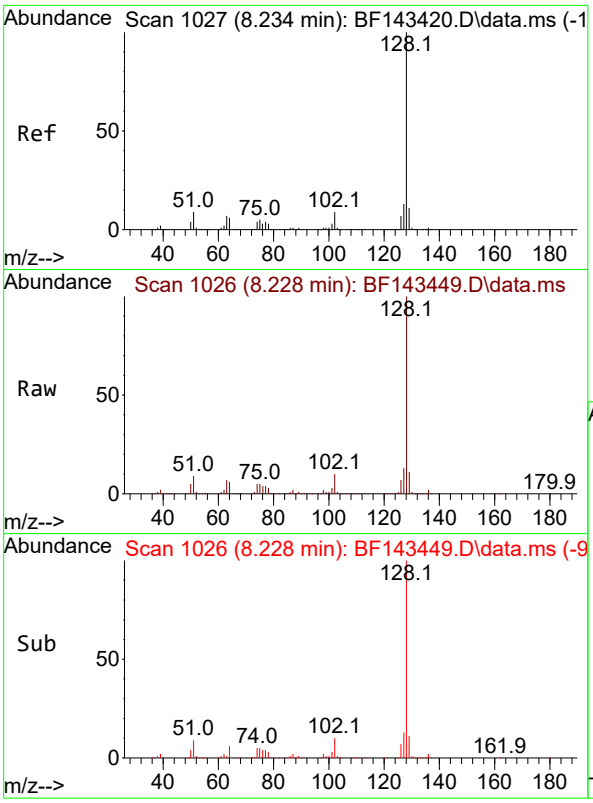


#30
1,2,4-Trichlorobenzene
Concen: 49.847 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:180 Resp: 324051

Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.7	115.1
145	30.0	24.5	36.7



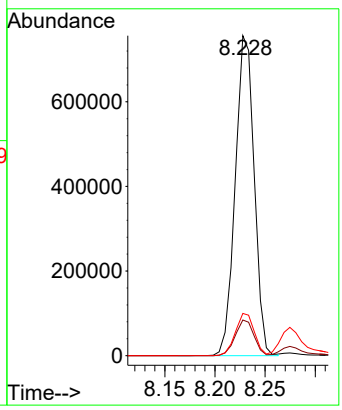


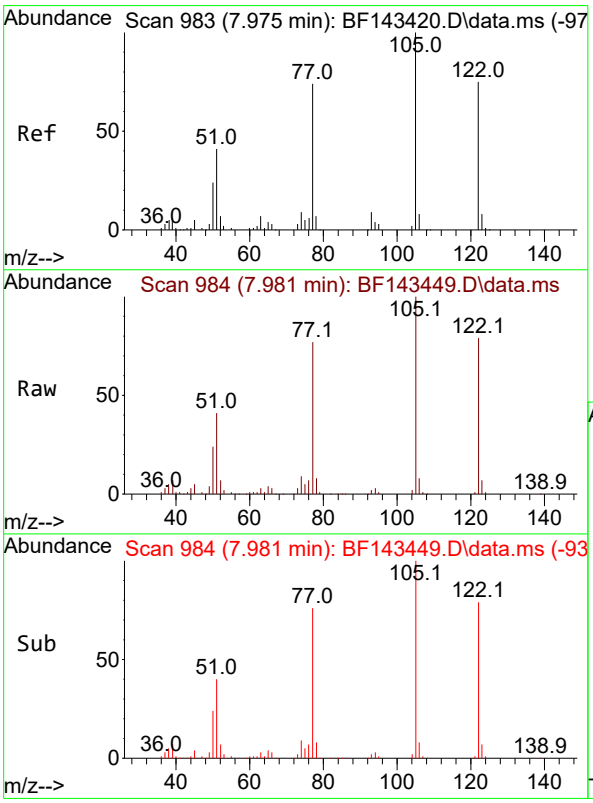
#31
Naphthalene
Concen: 46.521 ng
RT: 8.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:128 Resp: 995711

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.2	10.6	16.0

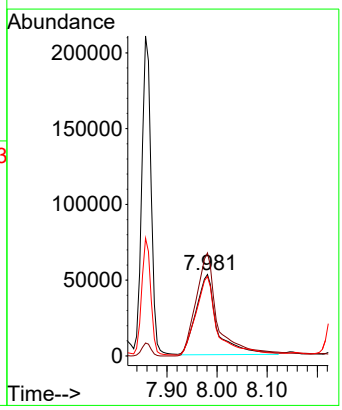


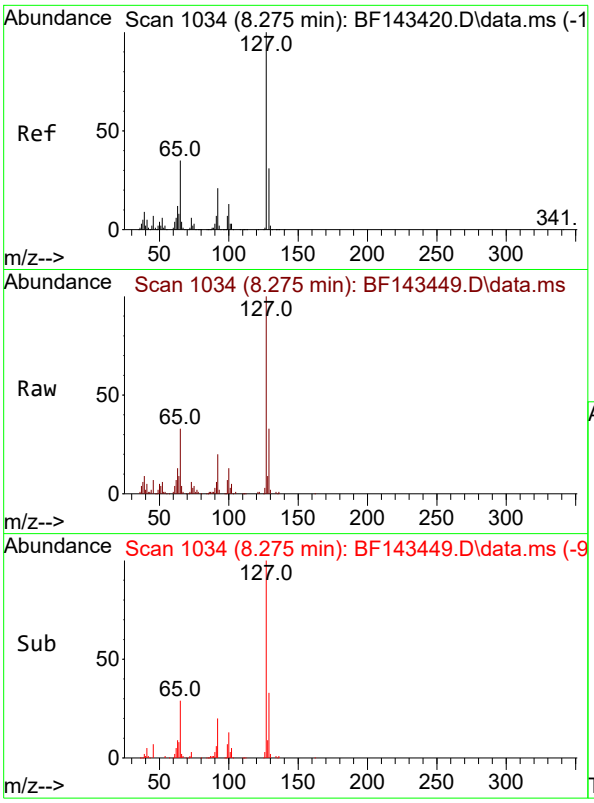


#32
Benzoic acid
Concen: 48.397 ng
RT: 7.981 min Scan# 984
Delta R.T. 0.006 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:122 Resp: 156661

Ion	Ratio	Lower	Upper
122	100		
105	126.6	108.4	148.4
77	97.7	75.9	115.9



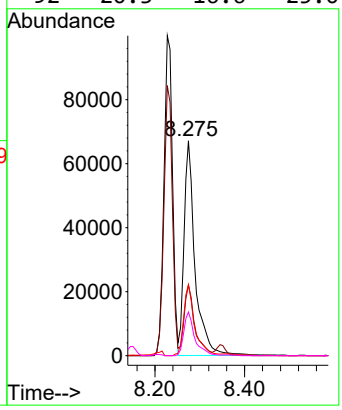


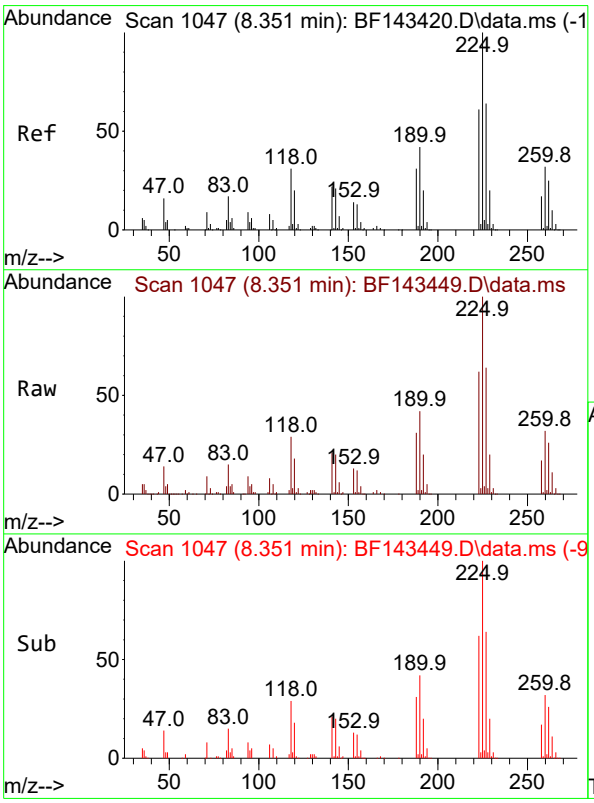
#33
4-Chloroaniline
Concen: 14.835 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:127 Resp: 114610

Ion	Ratio	Lower	Upper
127	100		
129	32.9	25.8	38.8
65	33.0	27.2	40.8
92	20.3	16.6	25.0

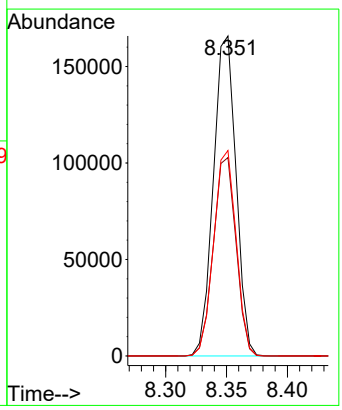


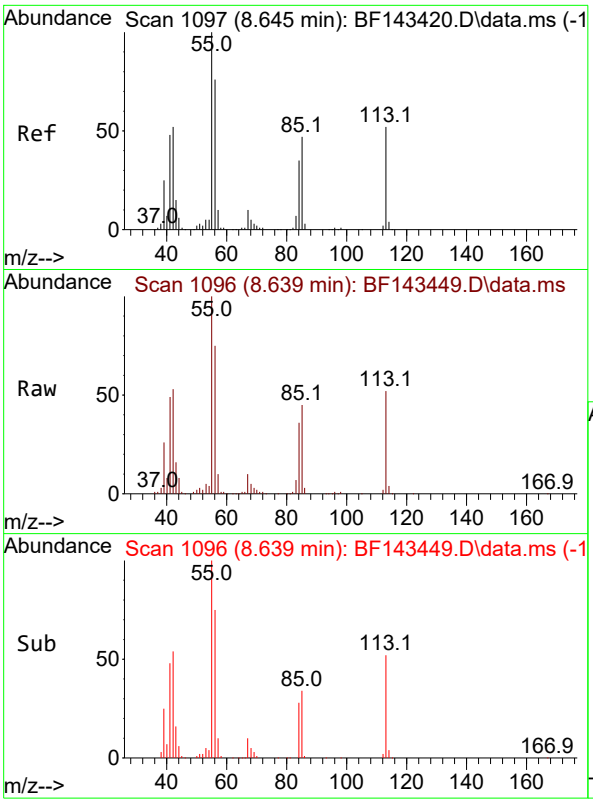


#34
Hexachlorobutadiene
Concen: 51.865 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:225 Resp: 215006

Ion	Ratio	Lower	Upper
225	100		
223	62.0	49.0	73.6
227	64.2	51.1	76.7



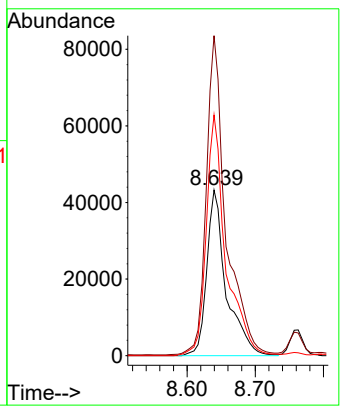


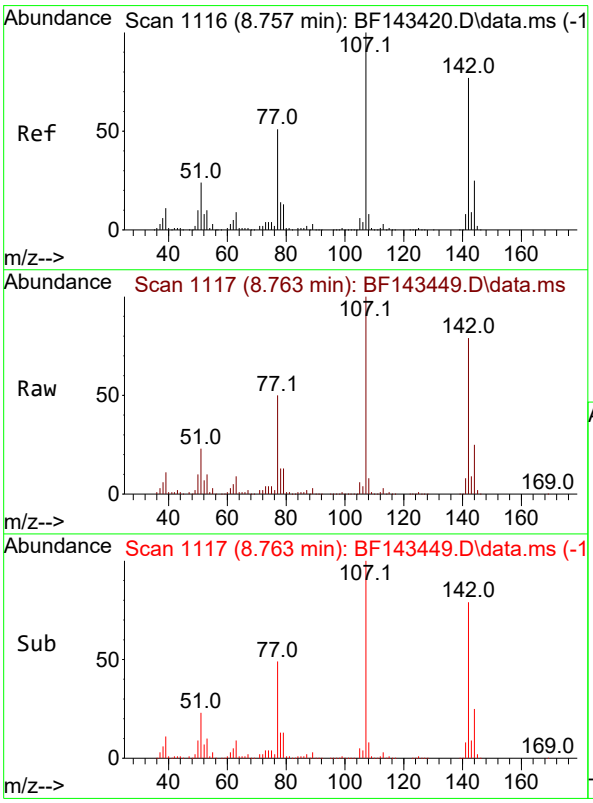
#35
Caprolactam
Concen: 47.120 ng
RT: 8.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:113 Resp: 86073

Ion	Ratio	Lower	Upper
113	100		
55	193.2	174.7	214.7
56	145.3	127.0	167.0

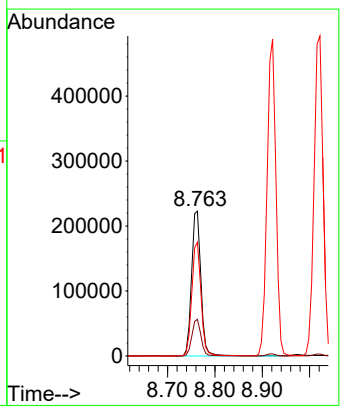


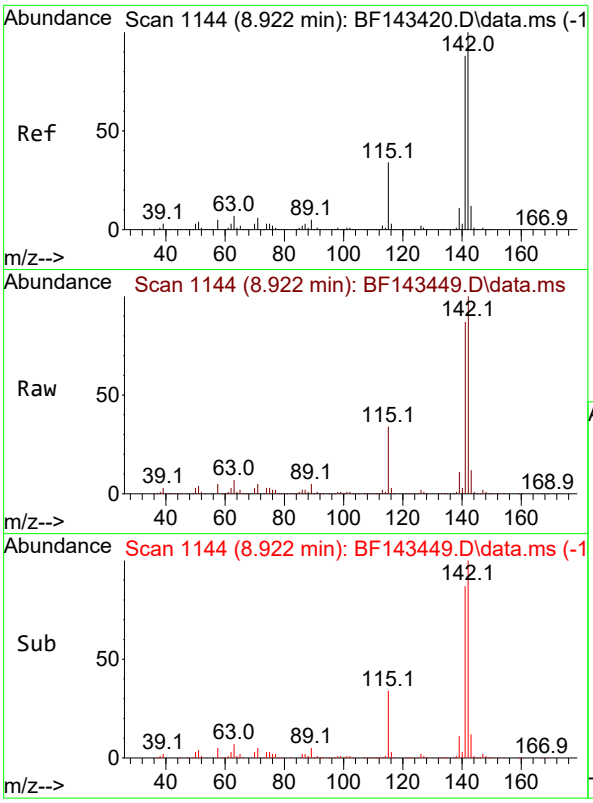


#36
4-Chloro-3-methylphenol
Concen: 46.785 ng
RT: 8.763 min Scan# 1117
Delta R.T. 0.006 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:107 Resp: 305716

Ion	Ratio	Lower	Upper
107	100		
144	25.3	20.2	30.2
142	78.6	62.0	93.0



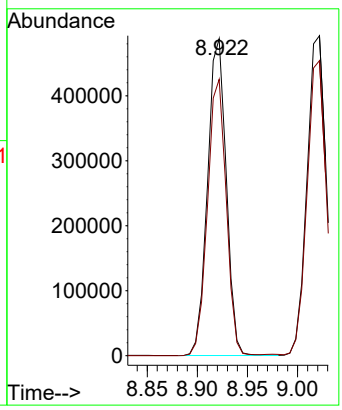


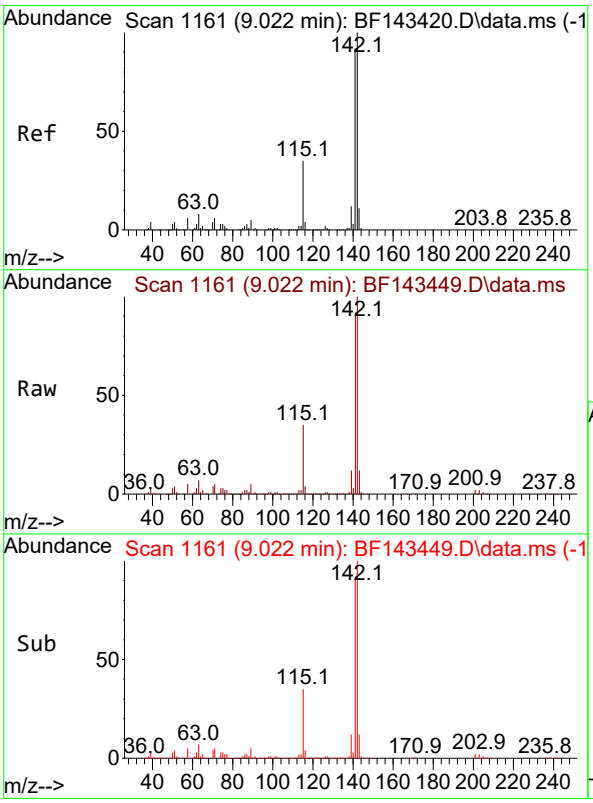
#37
2-Methylnaphthalene
Concen: 43.843 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:142 Resp: 632537

Ion	Ratio	Lower	Upper
142	100		
141	87.2	70.3	105.5

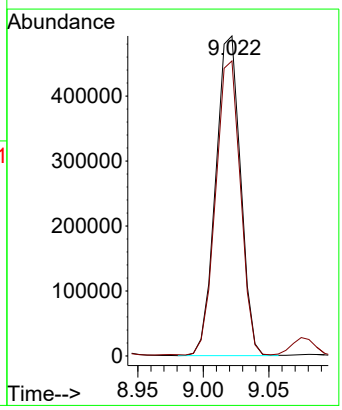


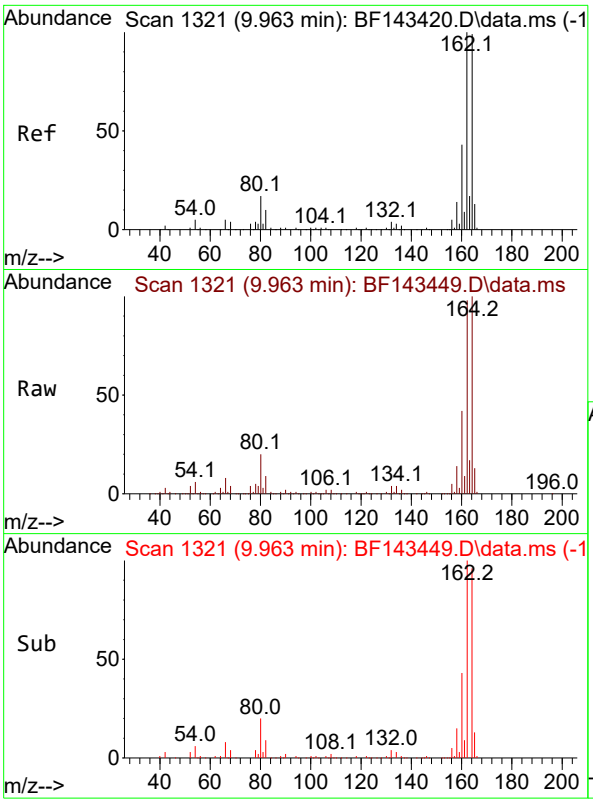


#38
1-Methylnaphthalene
Concen: 46.845 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:142 Resp: 647520

Ion	Ratio	Lower	Upper
142	100		
141	92.2	73.8	110.6



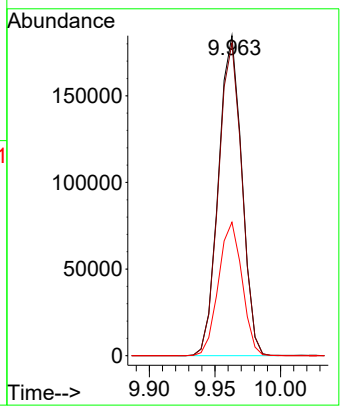


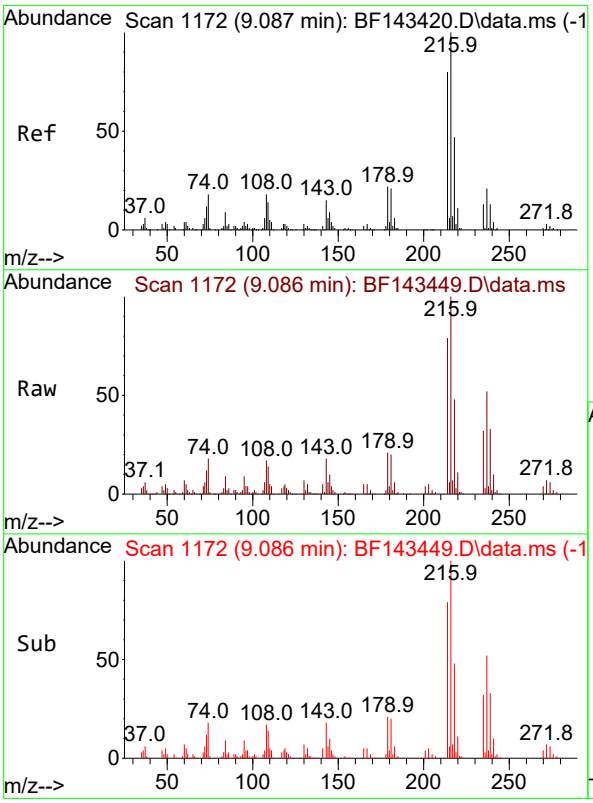
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:164 Resp: 228619

Ion	Ratio	Lower	Upper
164	100		
162	97.7	80.6	121.0
160	41.7	34.6	51.8

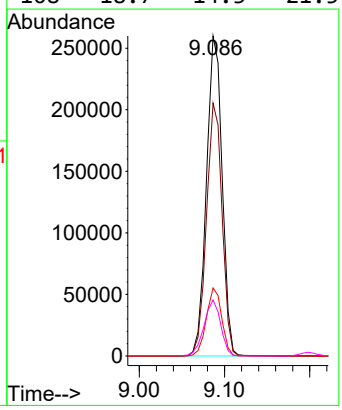


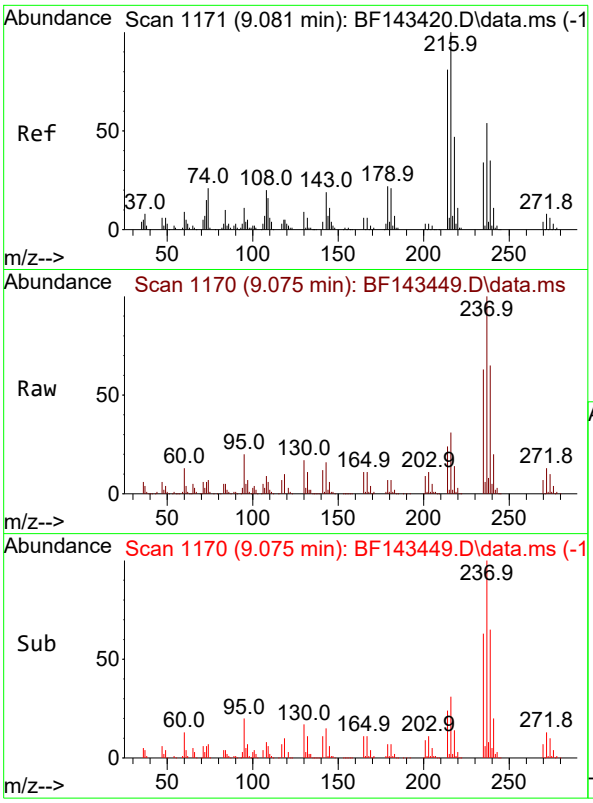


#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.990 ng
RT: 9.086 min Scan# 1172
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:216 Resp: 331482

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.7	95.5
179	20.9	17.0	25.4
108	18.7	14.3	21.5



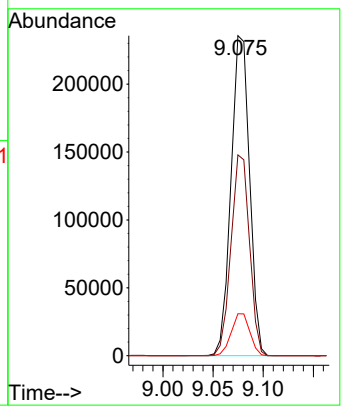


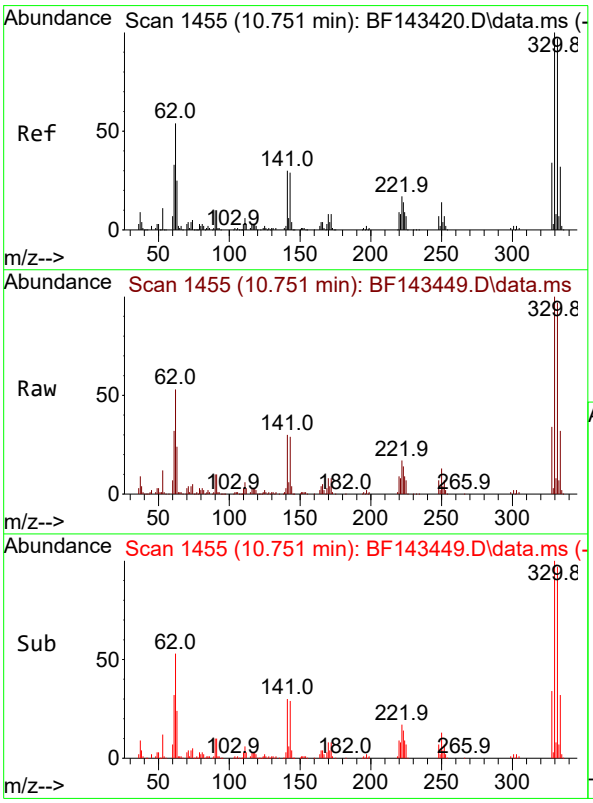
#41
Hexachlorocyclopentadiene
Concen: 126.418 ng
RT: 9.075 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:237 Resp: 303655

Ion	Ratio	Lower	Upper
237	100		
235	62.8	41.6	81.6
272	13.1	0.0	33.8

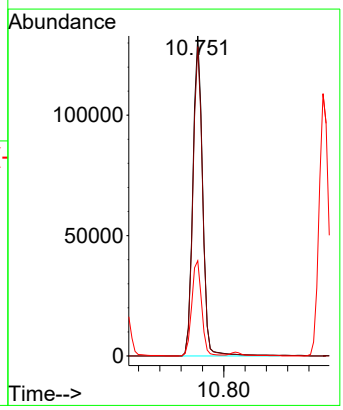


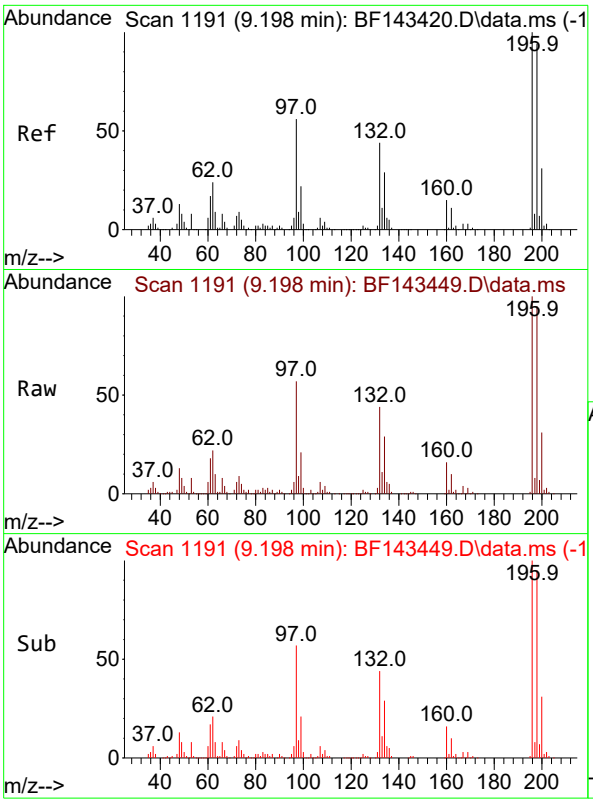


#42
2,4,6-Tribromophenol
Concen: 82.716 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:330 Resp: 168318

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.4	116.2
141	30.4	24.1	36.1



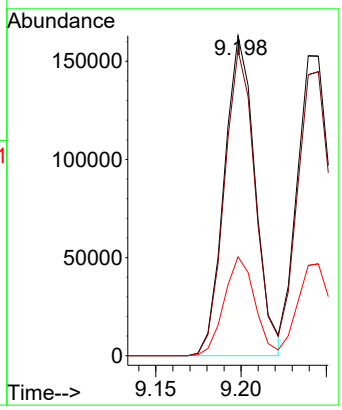


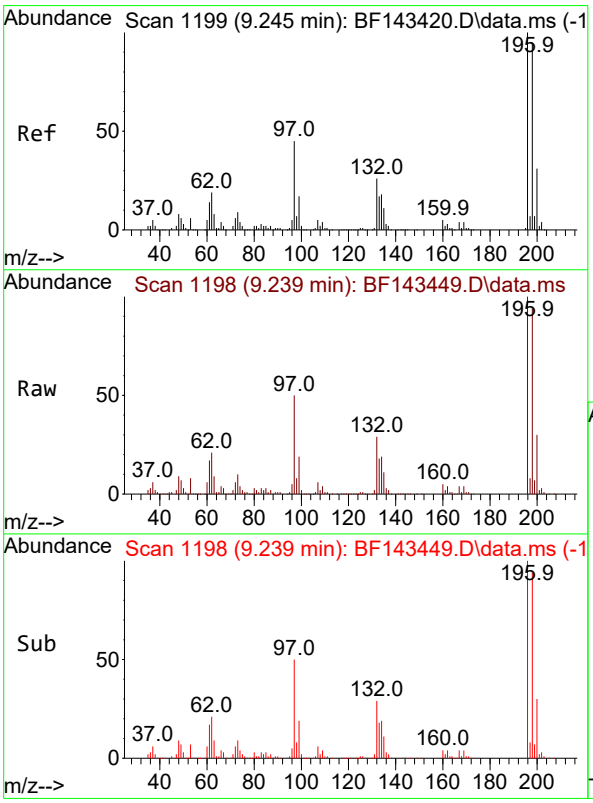
#43
2,4,6-Trichlorophenol
Concen: 51.600 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:196 Resp: 205229

Ion	Ratio	Lower	Upper
196	100		
198	95.5	75.4	113.2
200	30.9	24.7	37.1

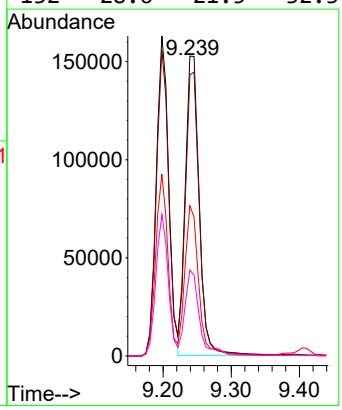


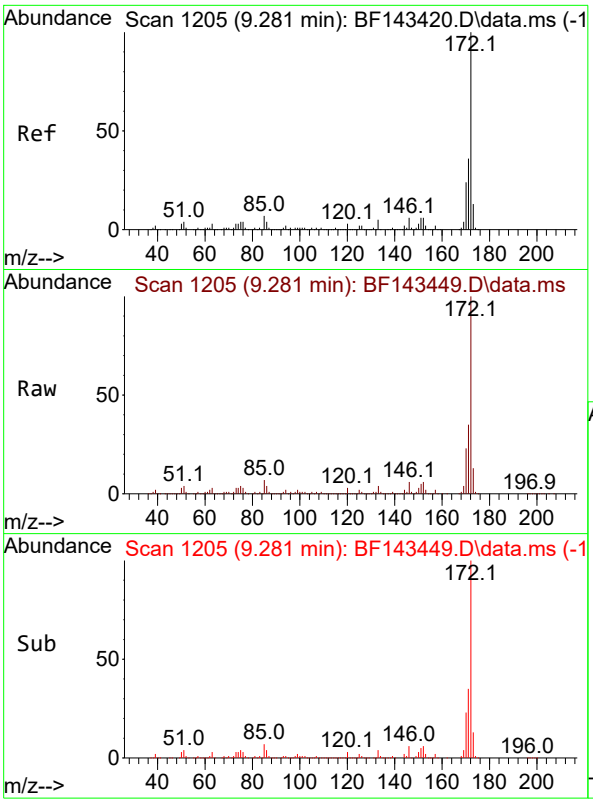


#44
2,4,5-Trichlorophenol
Concen: 50.536 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:196 Resp: 215454

Ion	Ratio	Lower	Upper
196	100		
198	93.7	76.2	114.4
97	50.1	36.6	55.0
132	28.6	21.5	32.3



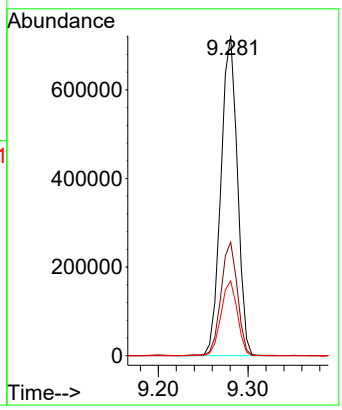


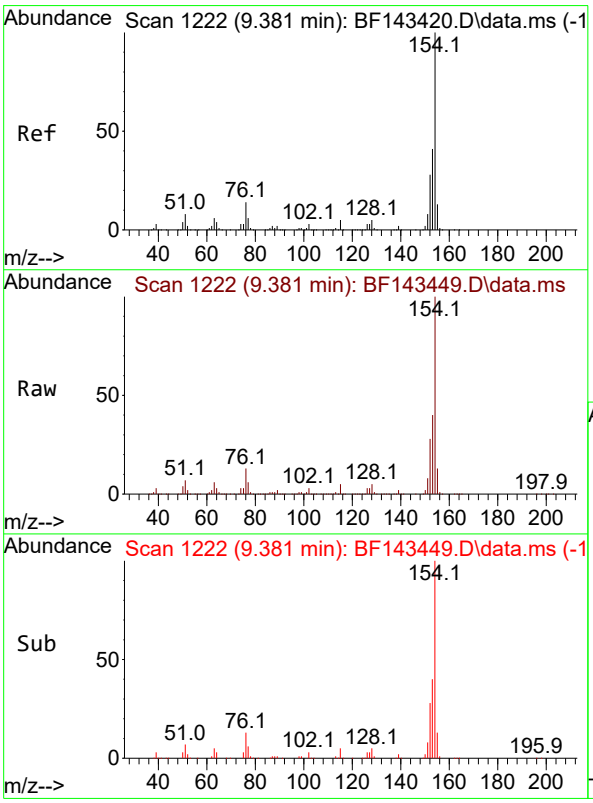
#45
2-Fluorobiphenyl
Concen: 67.614 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:172 Resp: 919018

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.7	43.1
170	23.3	19.0	28.6

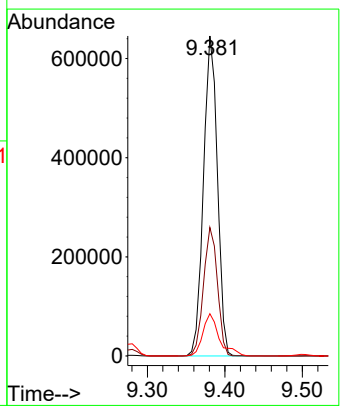


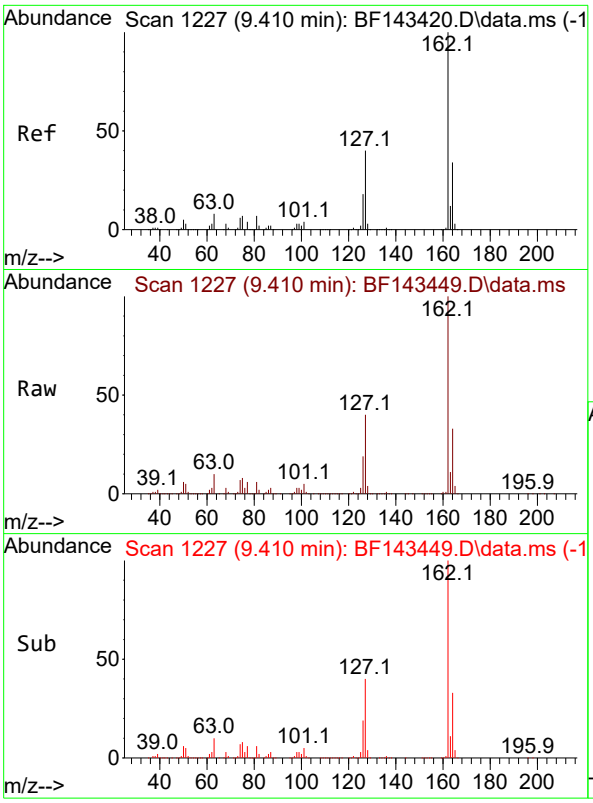


#46
1,1'-Biphenyl
Concen: 50.120 ng
RT: 9.381 min Scan# 1222
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:154 Resp: 805086

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.6	60.6
76	13.2	0.0	33.8



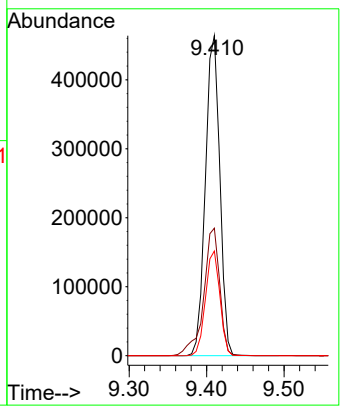


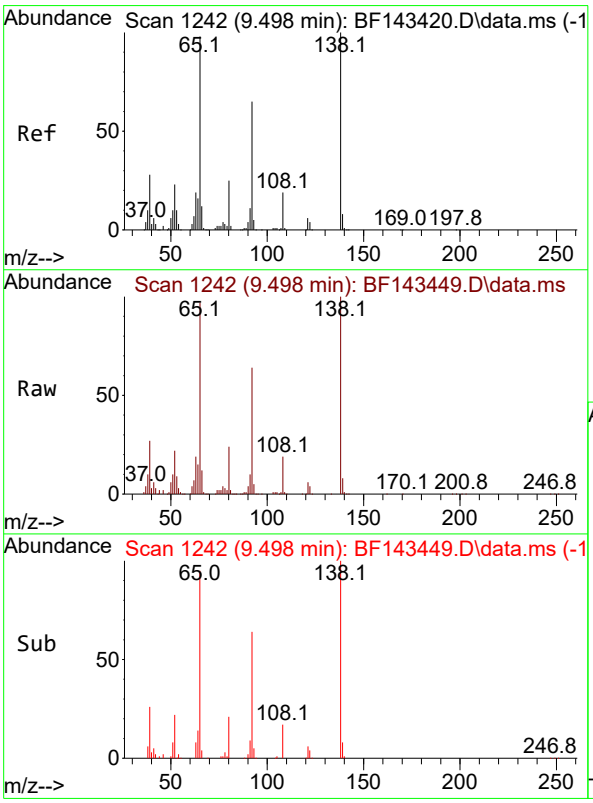
#47
2-Chloronaphthalene
Concen: 47.252 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:162 Resp: 599135

Ion	Ratio	Lower	Upper
162	100		
127	39.9	32.3	48.5
164	32.7	26.9	40.3

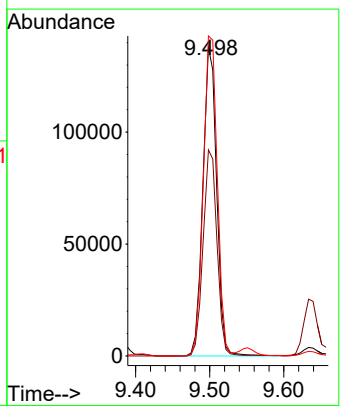


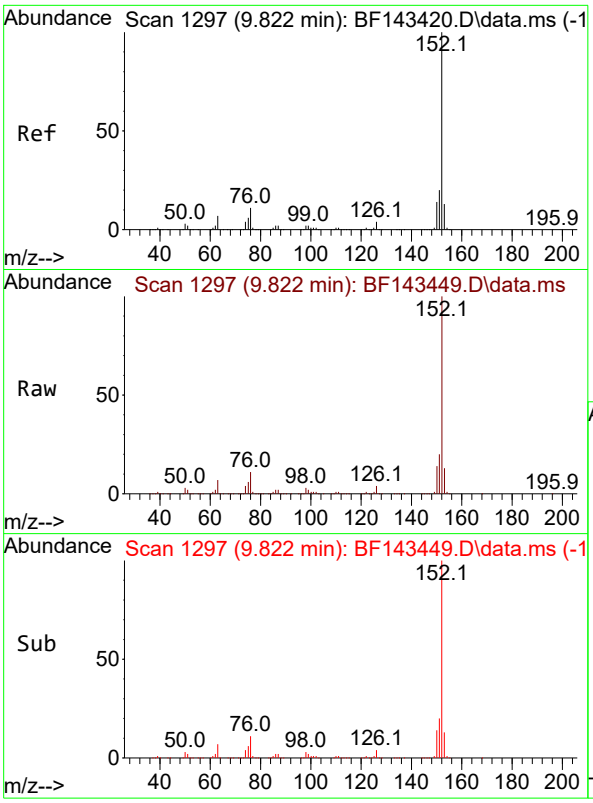


#48
2-Nitroaniline
Concen: 47.387 ng
RT: 9.498 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion: 65 Resp: 178805

Ion	Ratio	Lower	Upper
65	100		
92	66.7	52.9	79.3
138	103.6	81.3	121.9



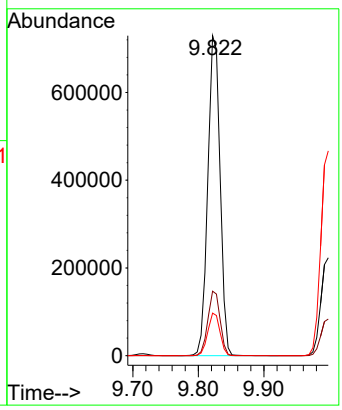


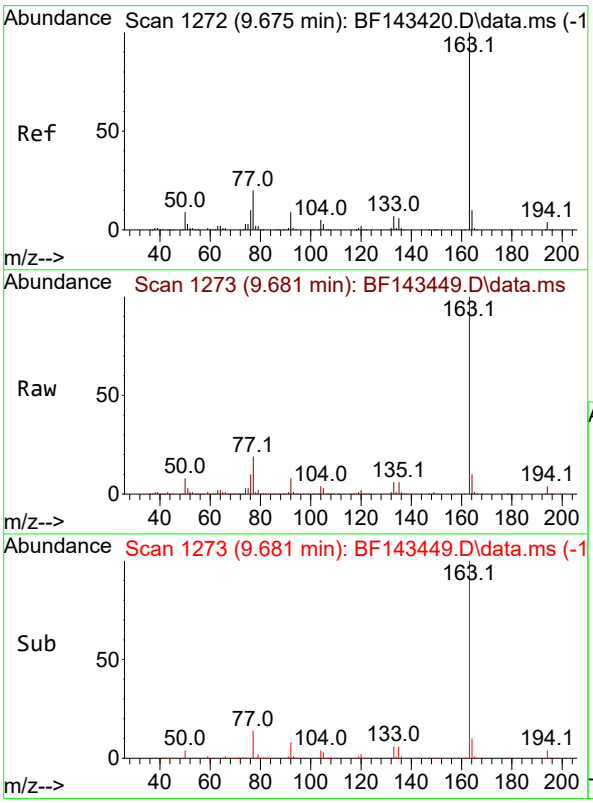
#49
Acenaphthylene
Concen: 52.034 ng
RT: 9.822 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:152 Resp: 952589

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.0	24.0
153	13.3	10.8	16.2

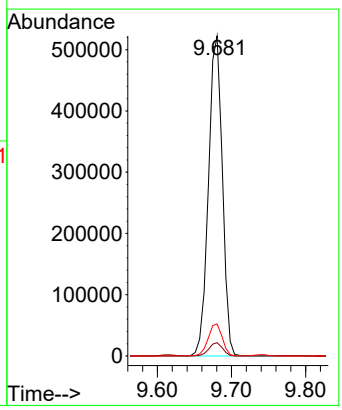


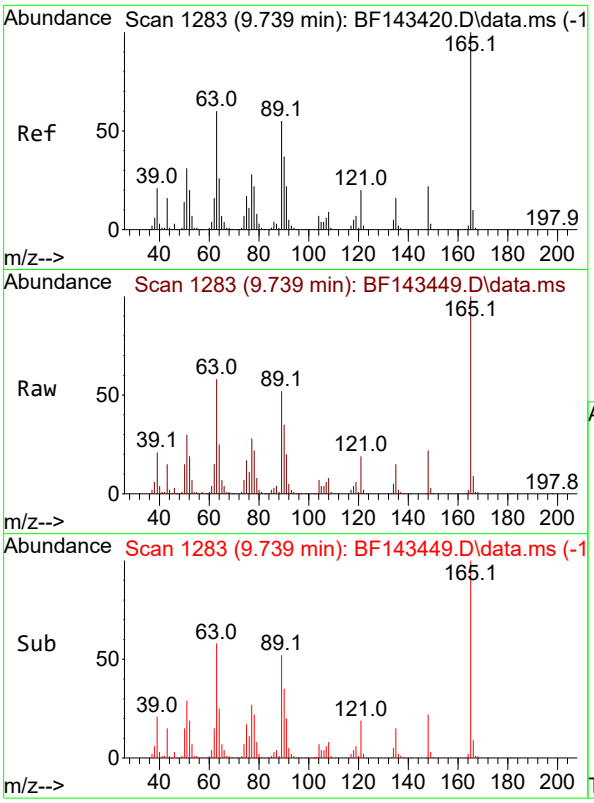


#50
Dimethylphthalate
Concen: 47.737 ng
RT: 9.681 min Scan# 1273
Delta R.T. 0.006 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:163 Resp: 680406

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.0	8.2	12.4



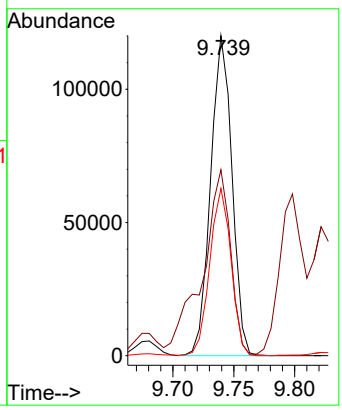


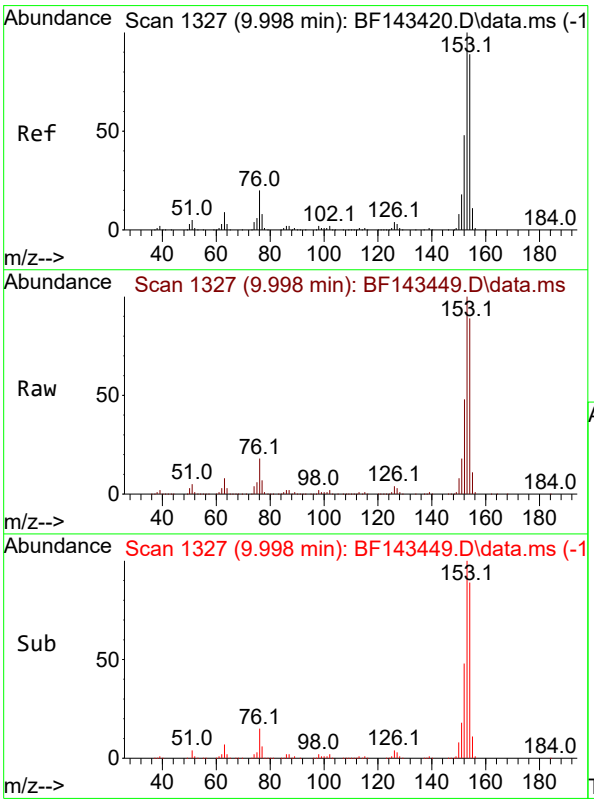
#51
2,6-Dinitrotoluene
Concen: 52.063 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:165 Resp: 146286

Ion	Ratio	Lower	Upper
165	100		
63	58.1	48.2	72.2
89	52.3	44.2	66.2

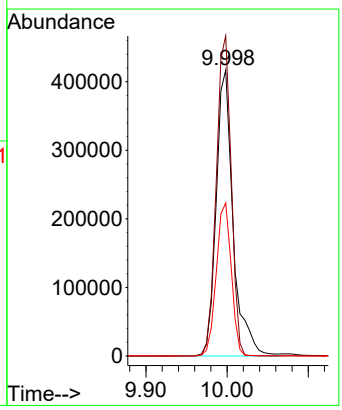


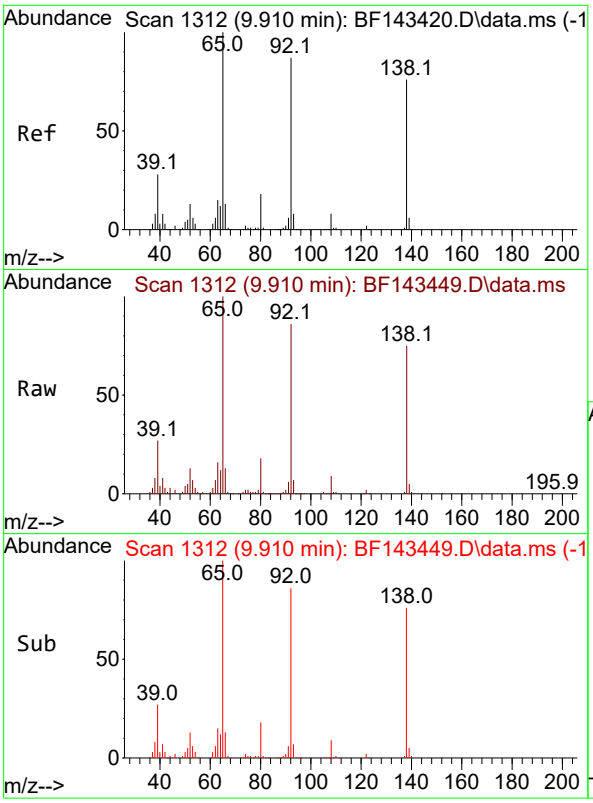


#52
Acenaphthene
Concen: 49.235 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:154 Resp: 606233

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.5	134.3
152	53.5	42.6	64.0



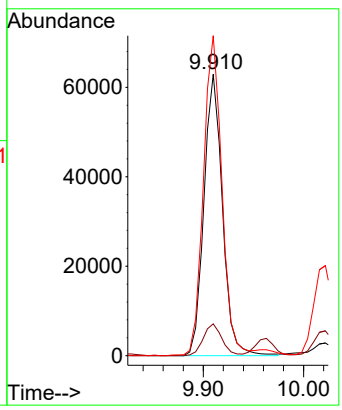


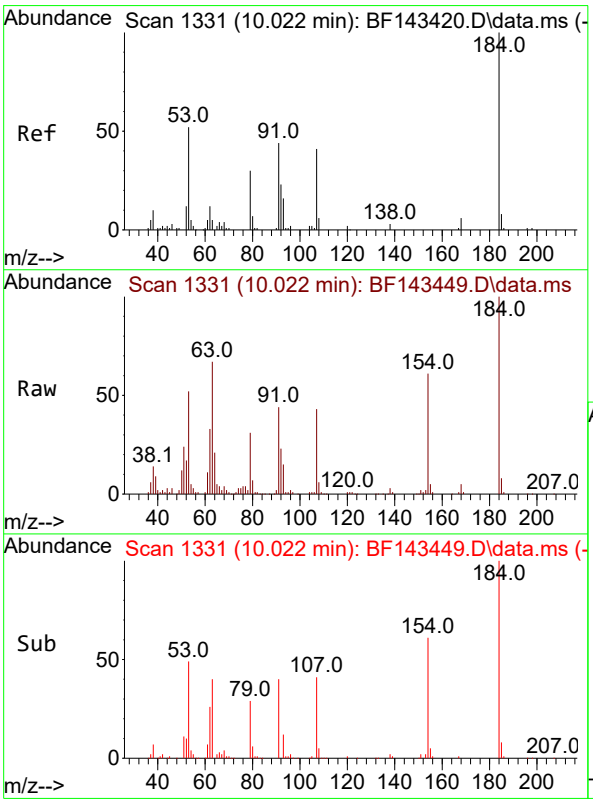
#53
3-Nitroaniline
Concen: 25.880 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:138 Resp: 81000

Ion	Ratio	Lower	Upper
138	100		
108	11.3	8.7	13.1
92	113.7	91.4	137.2

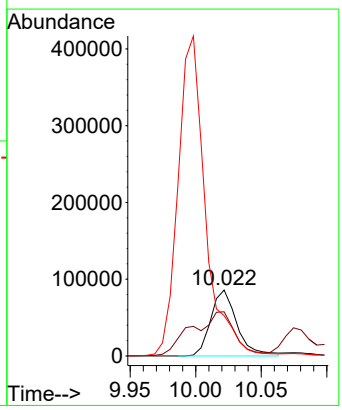


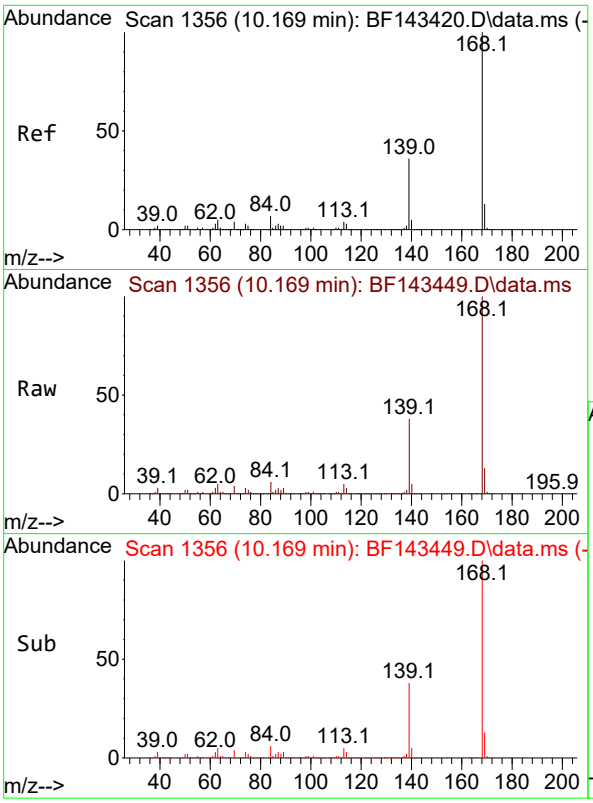


#54
2,4-Dinitrophenol
Concen: 90.720 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:184 Resp: 119594

Ion	Ratio	Lower	Upper
184	100		
63	66.9	53.2	79.8
154	61.3	51.3	76.9



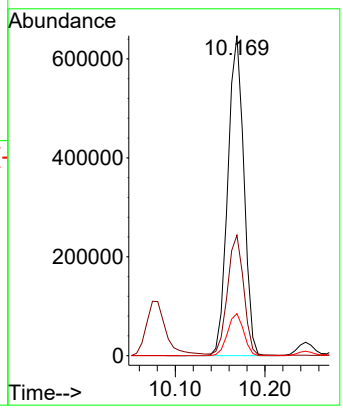


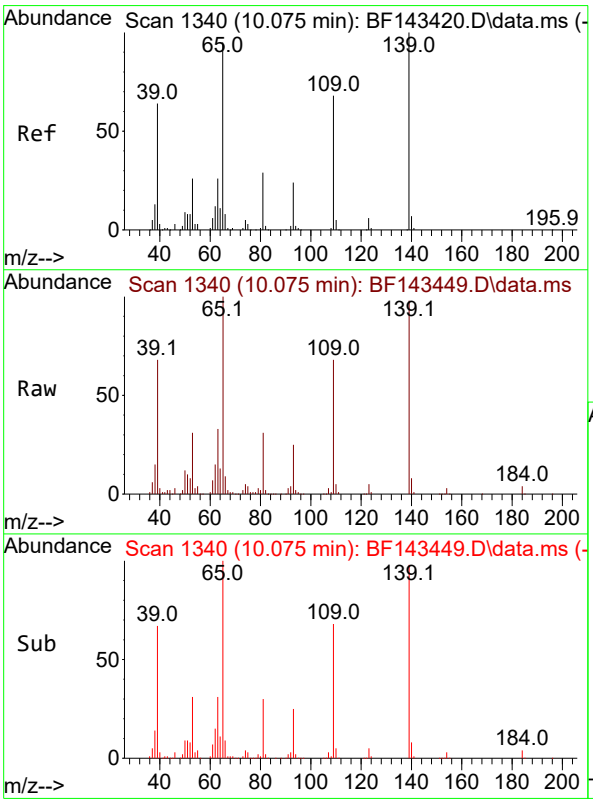
#55
Dibenzofuran
Concen: 45.159 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:168 Resp: 802136

Ion	Ratio	Lower	Upper
168	100		
139	37.7	29.3	43.9
169	13.2	10.8	16.2

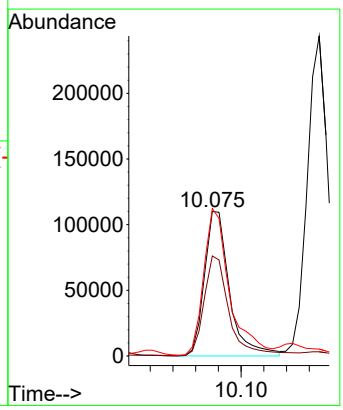


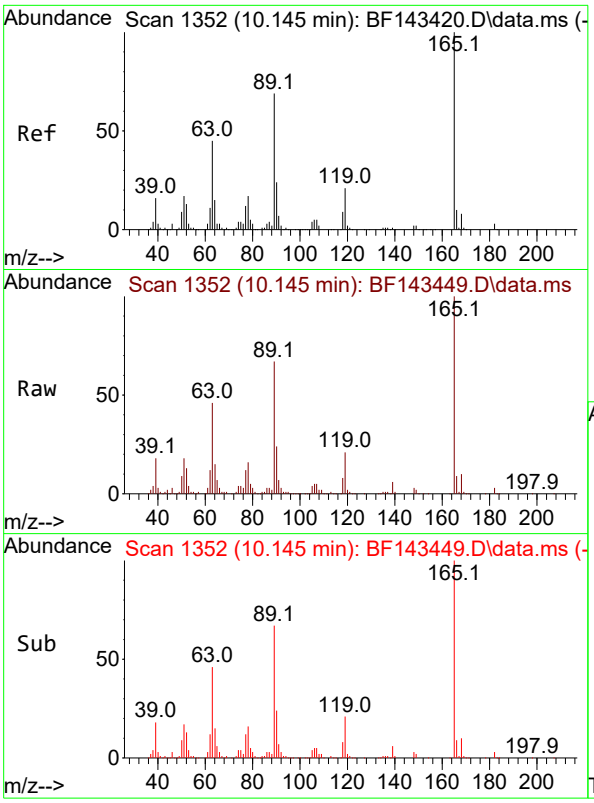


#56
4-Nitrophenol
Concen: 85.723 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:139 Resp: 168682

Ion	Ratio	Lower	Upper
139	100		
109	69.2	47.7	87.7
65	102.0	76.4	116.4



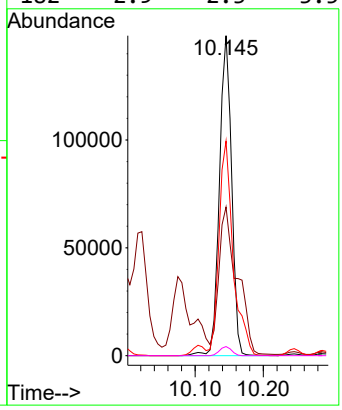


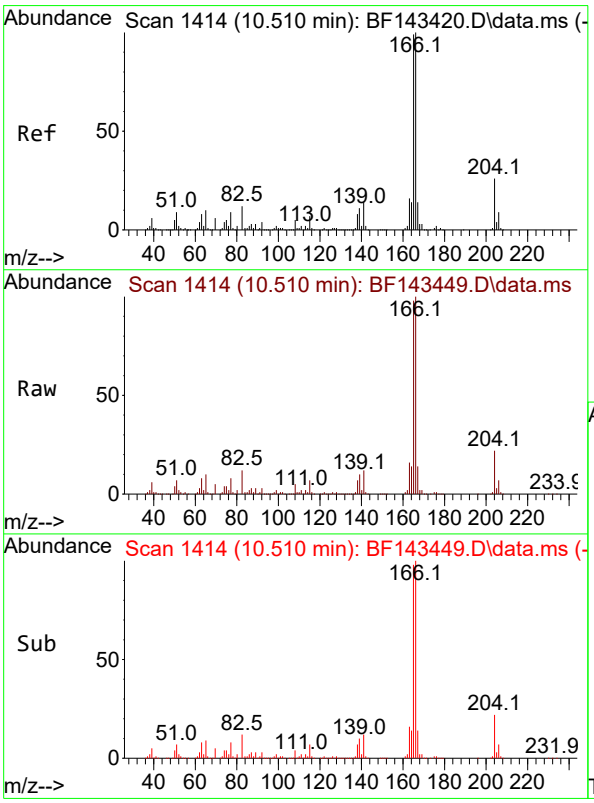
#57
2,4-Dinitrotoluene
Concen: 49.168 ng
RT: 10.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:165 Resp: 184190

Ion	Ratio	Lower	Upper
165	100		
63	46.4	37.0	55.6
89	67.1	55.4	83.0
182	2.9	2.3	3.5

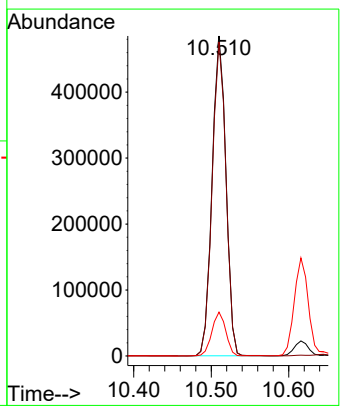


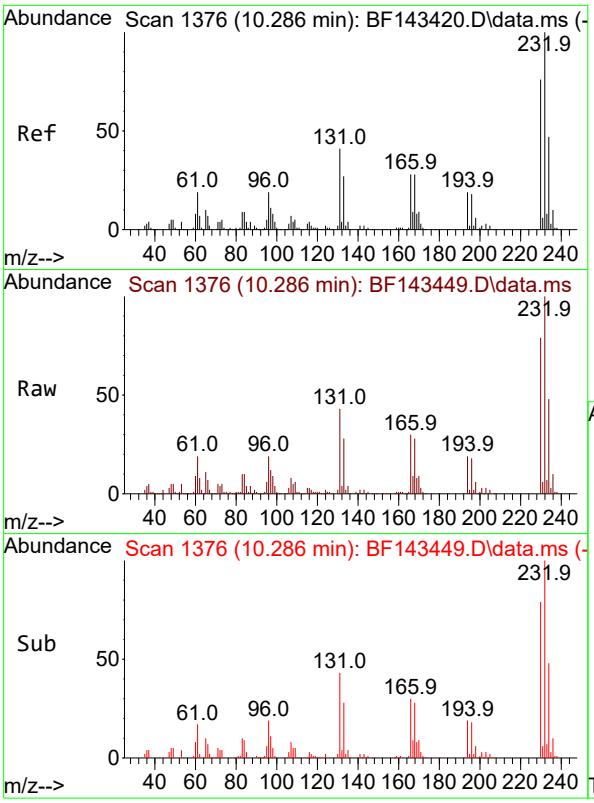


#58
Fluorene
Concen: 43.933 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:166 Resp: 599489

Ion	Ratio	Lower	Upper
166	100		
165	98.2	79.0	118.6
167	13.7	10.9	16.3



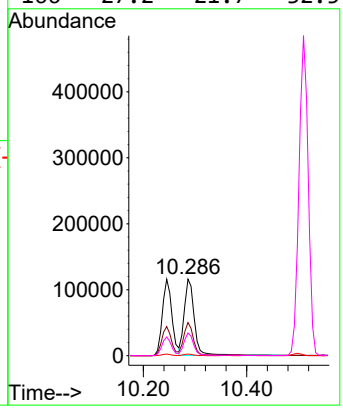


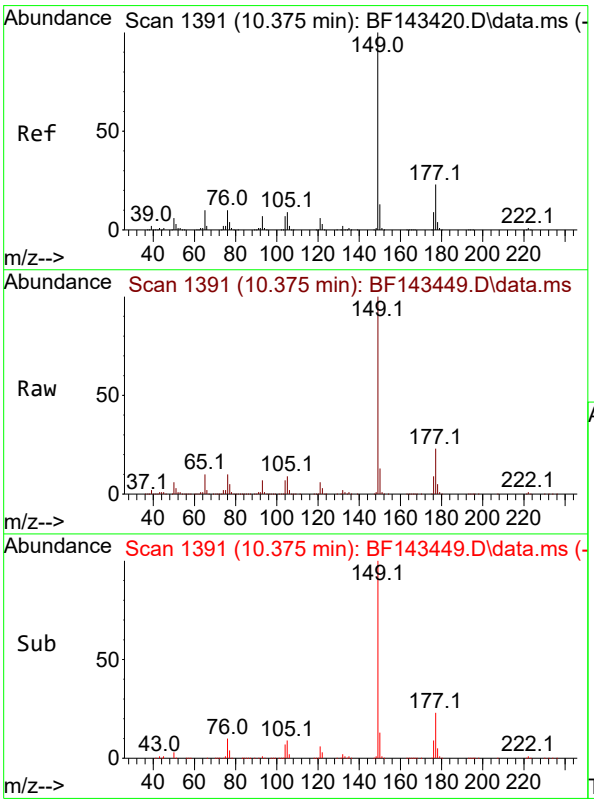
#59
2,3,4,6-Tetrachlorophenol
Concen: 48.871 ng
RT: 10.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:232 Resp: 157718

Ion	Ratio	Lower	Upper
232	100		
131	41.1	32.0	48.0
130	2.1	1.7	2.5
166	27.2	21.7	32.5

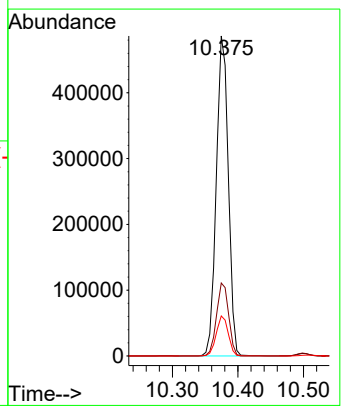


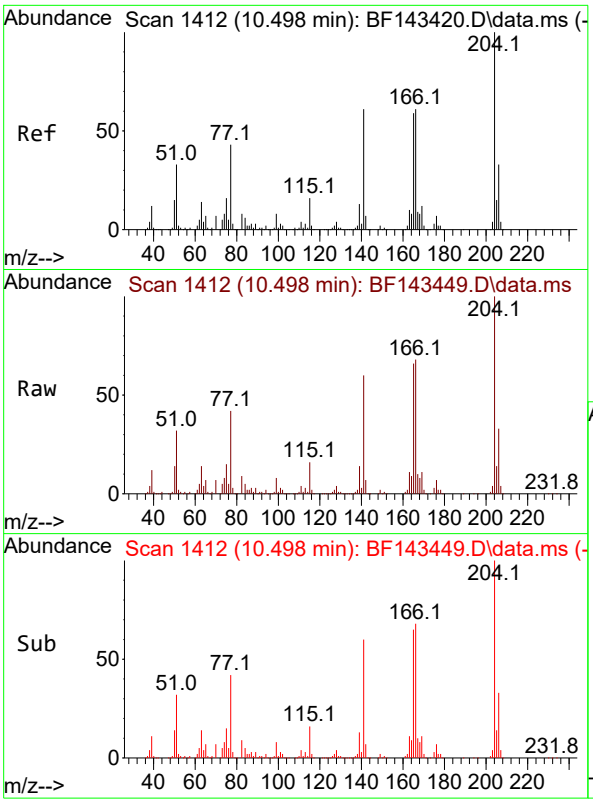


#60
Diethylphthalate
Concen: 46.873 ng
RT: 10.375 min Scan# 1391
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:149 Resp: 617383

Ion	Ratio	Lower	Upper
149	100		
177	22.8	18.2	27.4
150	12.5	10.1	15.1



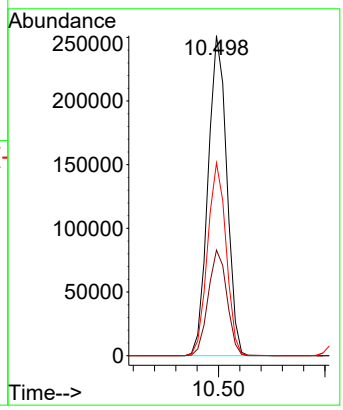


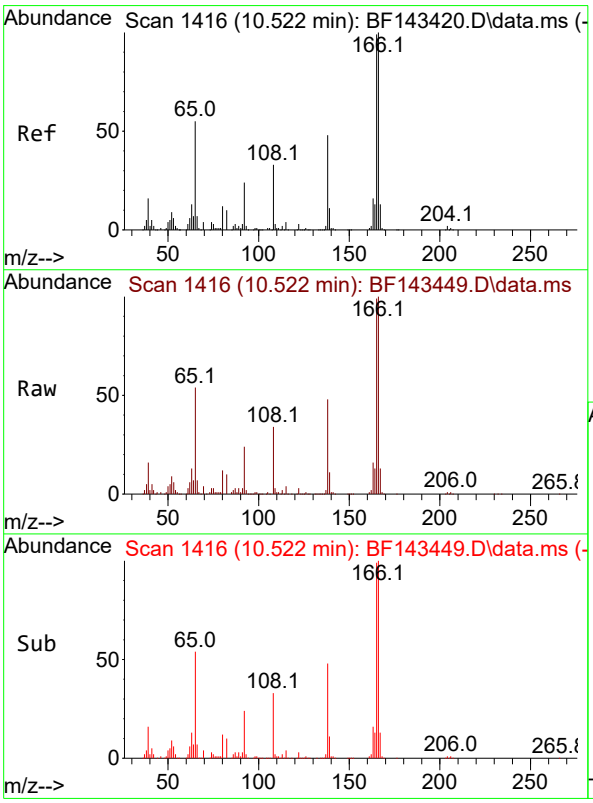
#61
4-Chlorophenyl-phenylether
Concen: 45.531 ng
RT: 10.498 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:204 Resp: 307174

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.5	39.7
141	60.3	49.0	73.4

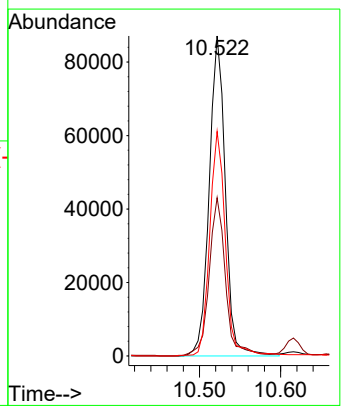


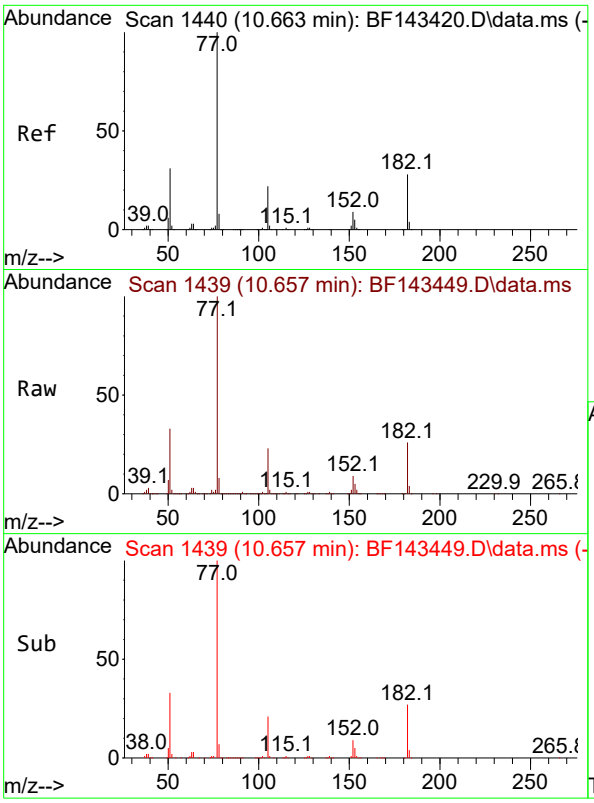


#62
4-Nitroaniline
Concen: 41.074 ng
RT: 10.522 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:138 Resp: 120228

Ion	Ratio	Lower	Upper
138	100		
92	49.5	29.4	69.4
108	70.2	48.6	88.6



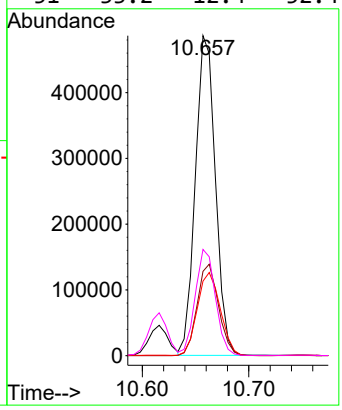


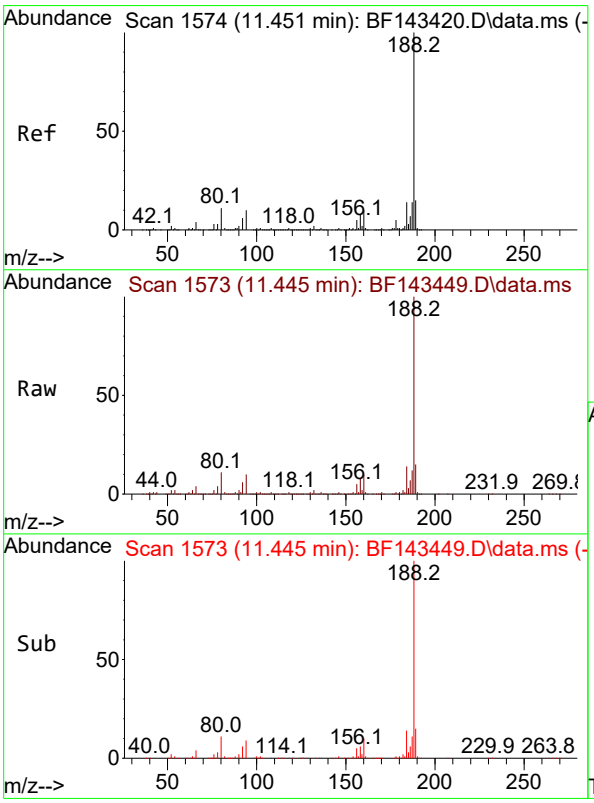
#63
Azobenzene
Concen: 47.798 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion: 77 Resp: 636313

Ion	Ratio	Lower	Upper
77	100		
182	26.4	7.4	47.4
105	23.3	1.7	41.7
51	33.2	12.4	52.4

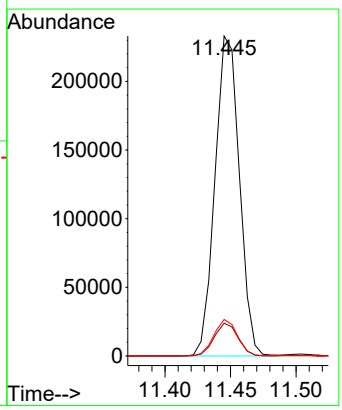


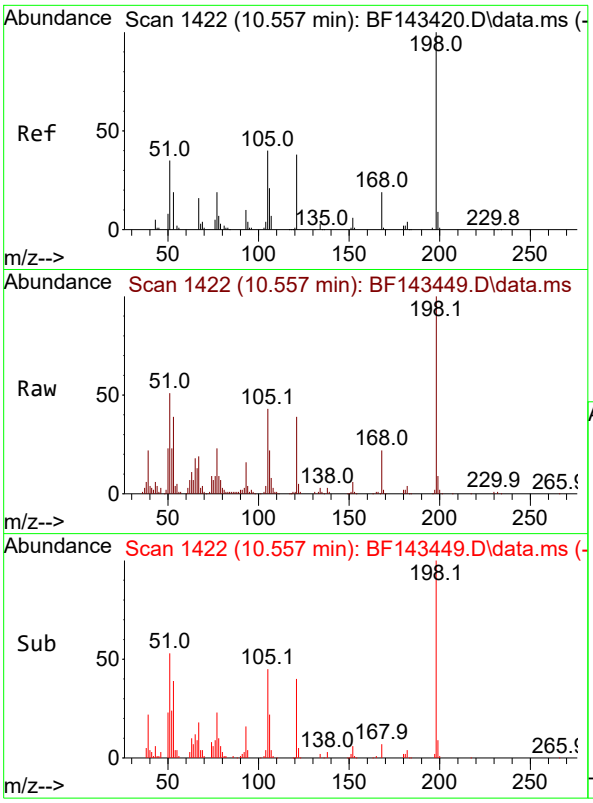


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:188 Resp: 301268

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.0	12.0
80	11.4	8.6	12.8



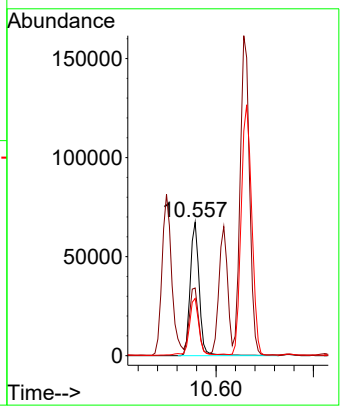


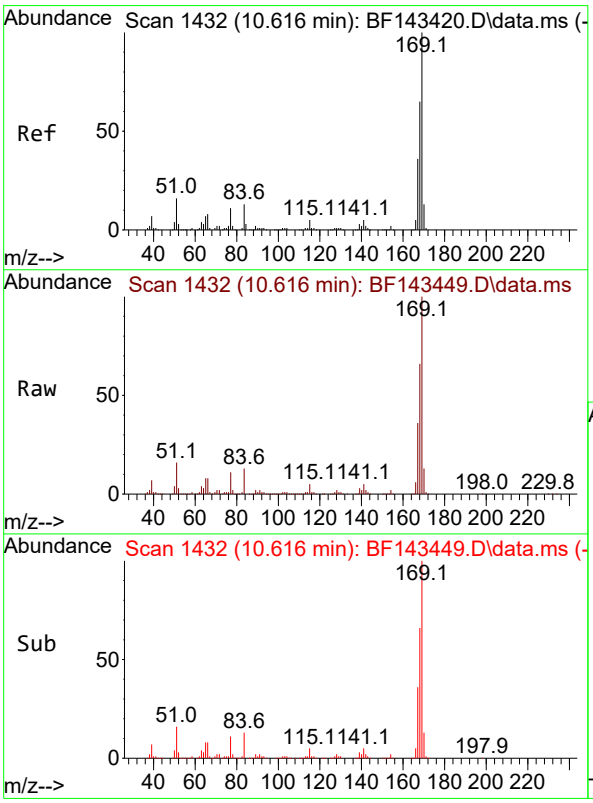
#65
4,6-Dinitro-2-methylphenol
Concen: 55.898 ng
RT: 10.557 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:198 Resp: 86890

Ion	Ratio	Lower	Upper
198	100		
51	50.8	31.2	71.2
105	43.0	21.7	61.7

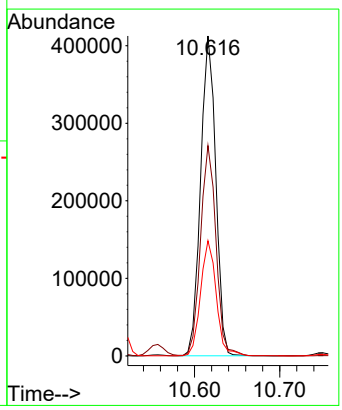


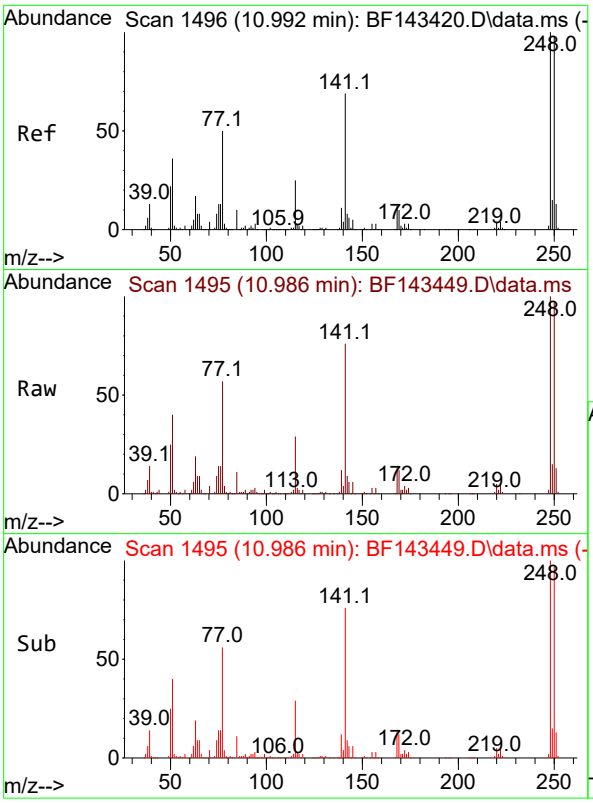


#66
n-Nitrosodiphenylamine
Concen: 52.014 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:169 Resp: 509521

Ion	Ratio	Lower	Upper
169	100		
168	65.8	52.5	78.7
167	36.0	28.6	42.8



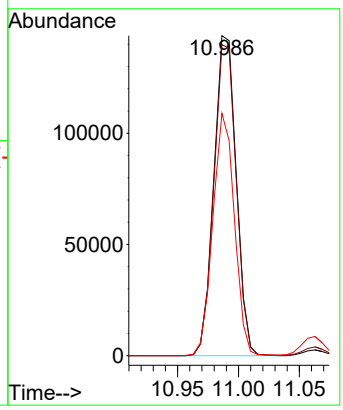


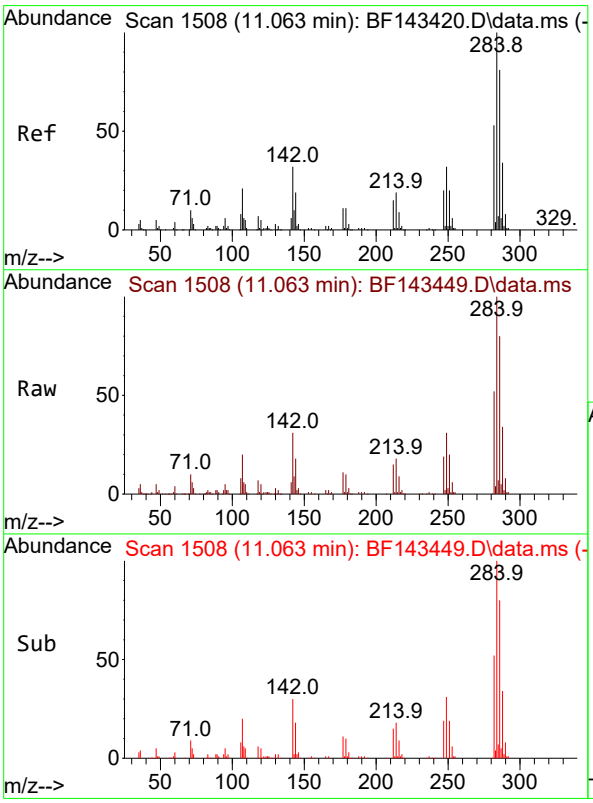
#67
4-Bromophenyl-phenylether
Concen: 51.786 ng
RT: 10.986 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:248 Resp: 184233

Ion	Ratio	Lower	Upper
248	100		
250	97.2	78.6	118.0
141	75.7	54.9	82.3

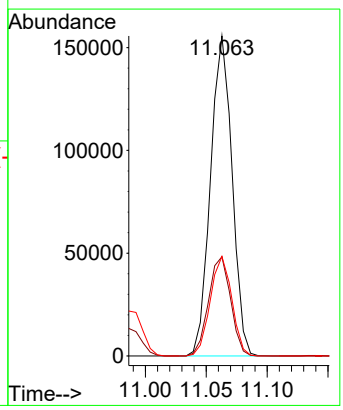


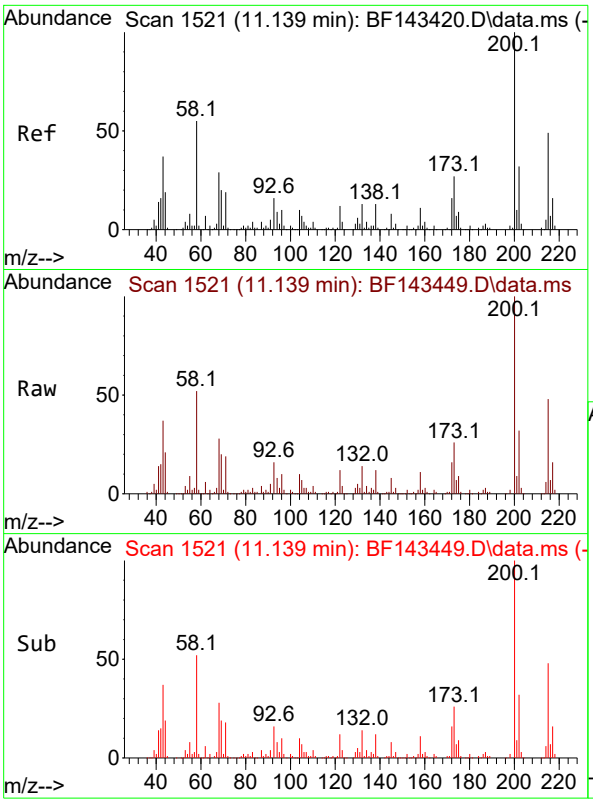


#68
Hexachlorobenzene
Concen: 50.709 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:284 Resp: 191784

Ion	Ratio	Lower	Upper
284	100		
142	31.0	25.4	38.2
249	31.1	25.4	38.0



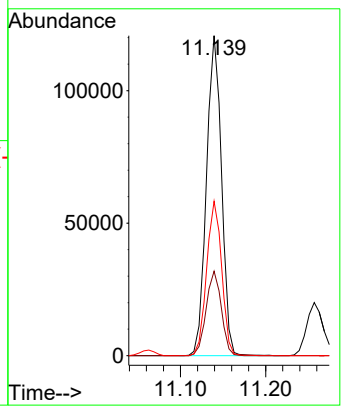


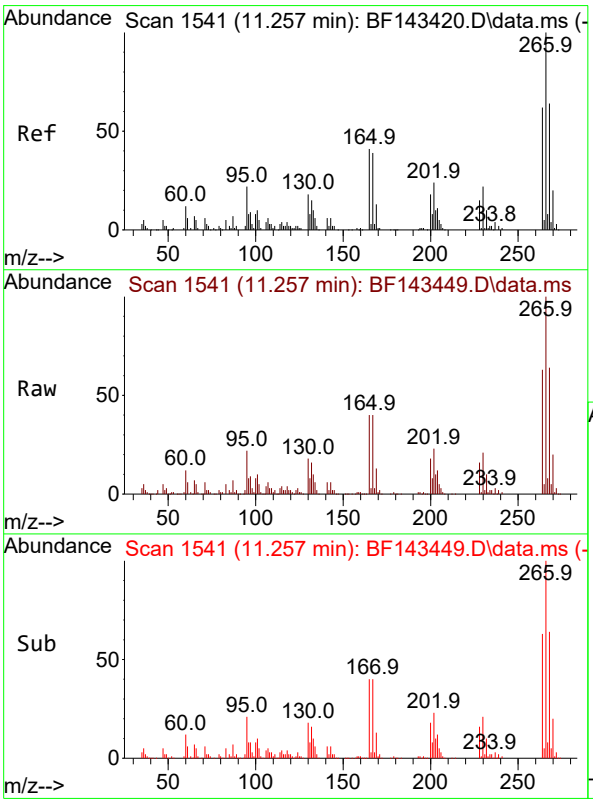
#69
Atrazine
Concen: 51.767 ng
RT: 11.139 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:200 Resp: 148322

Ion	Ratio	Lower	Upper
200	100		
173	26.4	6.6	46.6
215	48.2	29.5	69.5

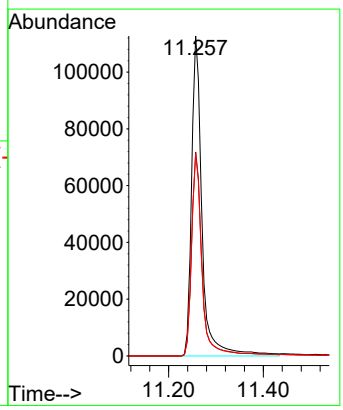


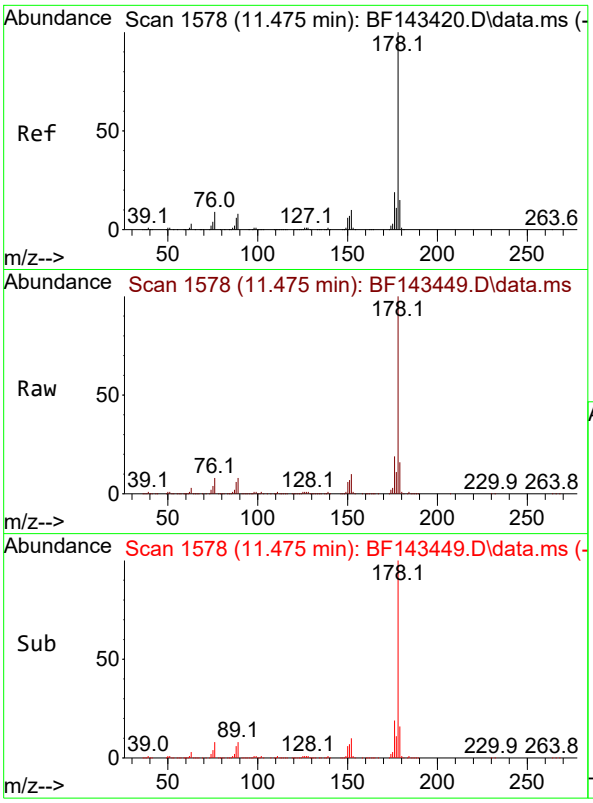


#70
Pentachlorophenol
Concen: 103.630 ng
RT: 11.257 min Scan# 1541
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:266 Resp: 172361

Ion	Ratio	Lower	Upper
266	100		
268	63.7	51.0	76.6
264	63.3	49.3	73.9



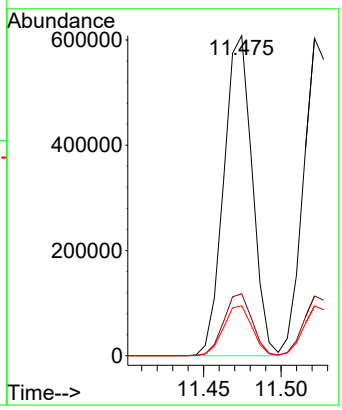


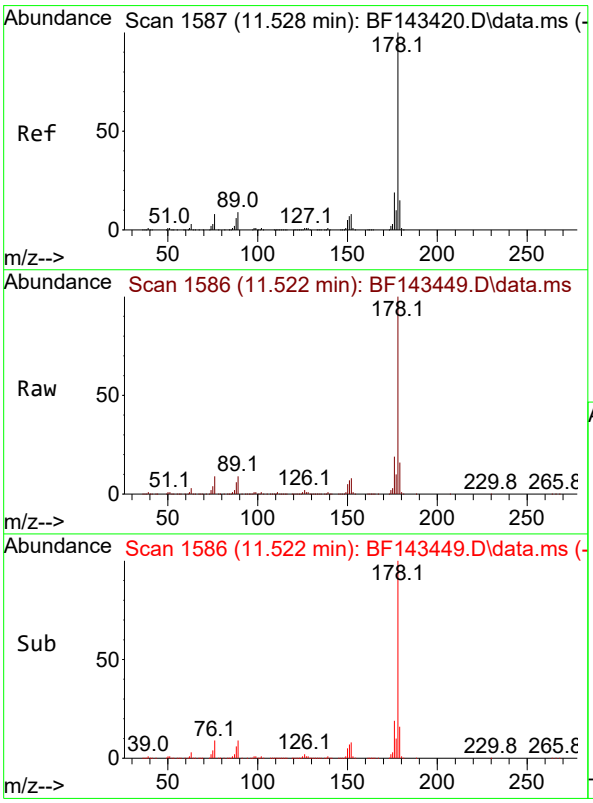
#71
Phenanthrene
Concen: 47.593 ng
RT: 11.475 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:178 Resp: 776435

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.6	12.3	18.5

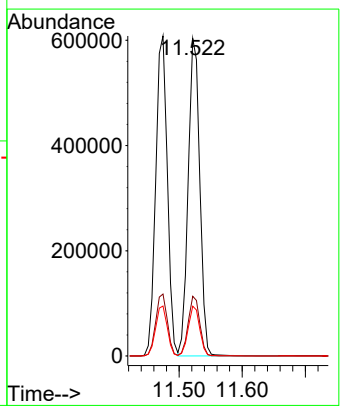


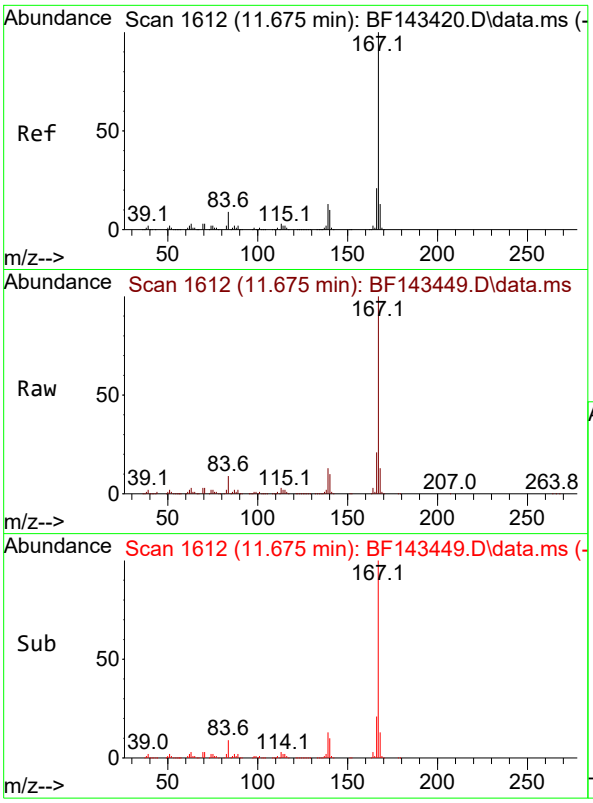


#72
Anthracene
Concen: 46.860 ng
RT: 11.522 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:178 Resp: 772138

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	15.7	12.2	18.4



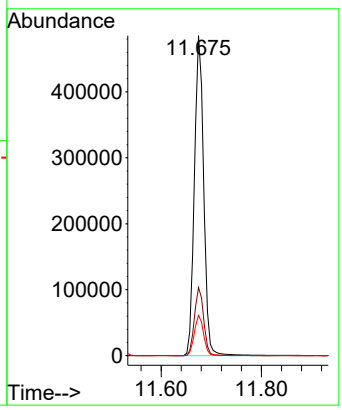


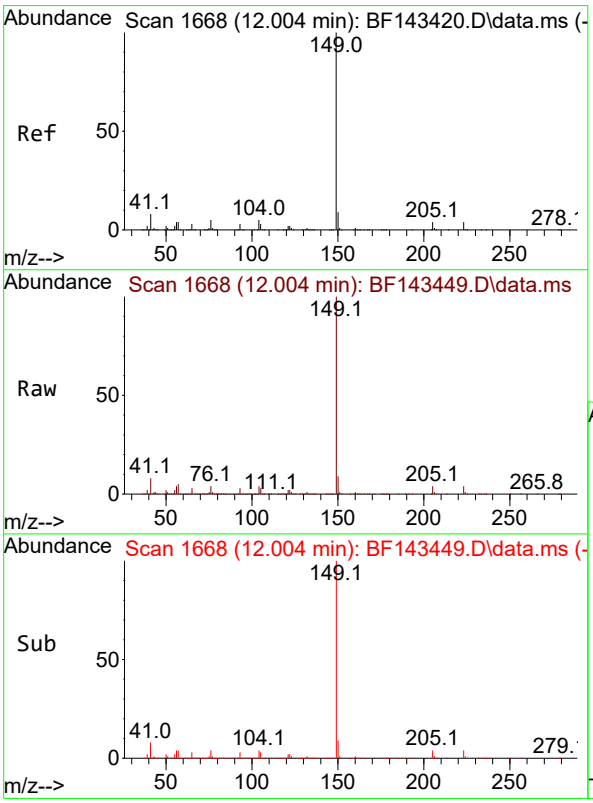
#73
Carbazole
Concen: 44.871 ng
RT: 11.675 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:167 Resp: 625322

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.2	25.8
139	12.6	10.1	15.1

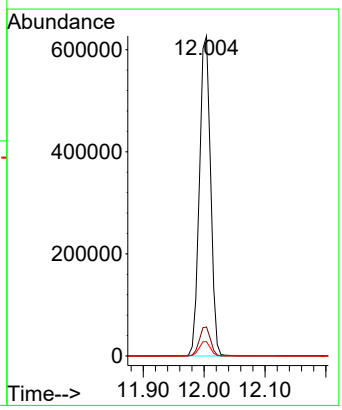


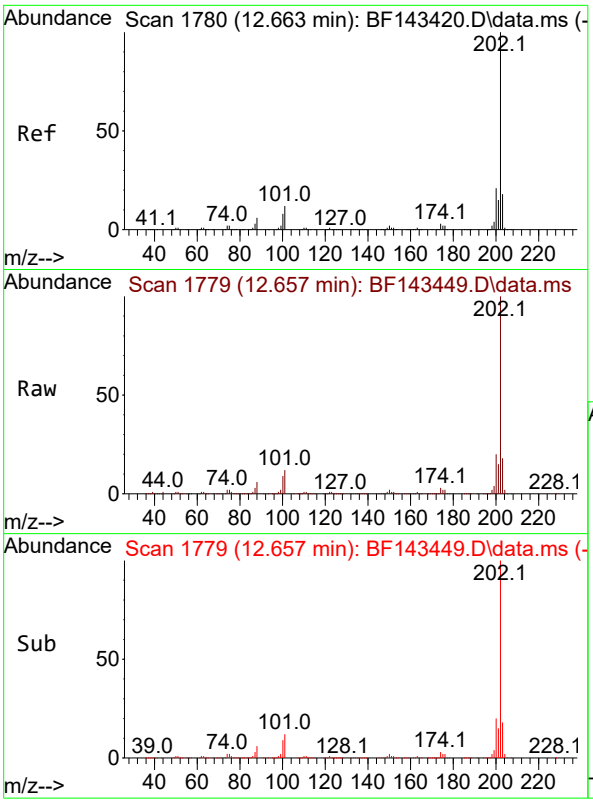


#74
Di-n-butylphthalate
Concen: 57.471 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:149 Resp: 797580

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.5	3.8	5.6



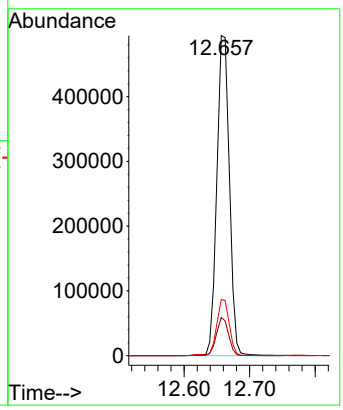


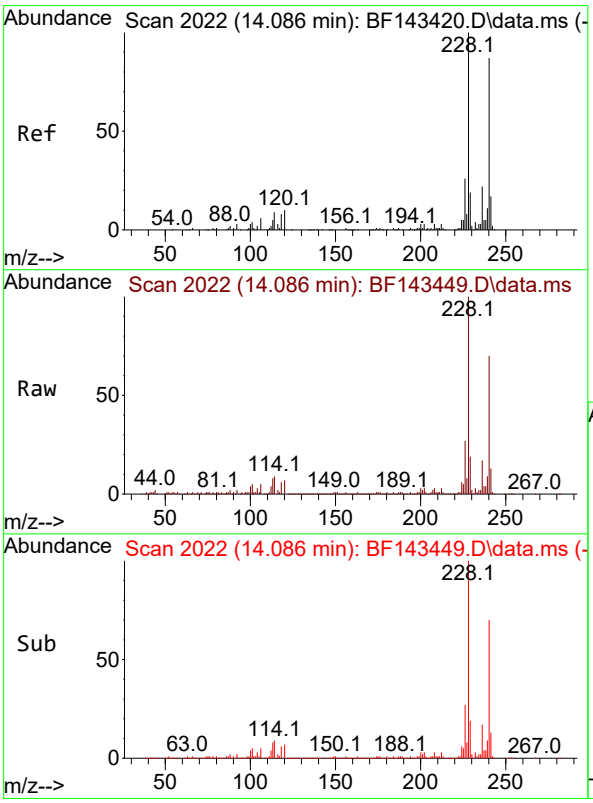
#75
Fluoranthene
Concen: 45.249 ng
RT: 12.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:202 Resp: 655932

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	31.5
203	17.6	0.0	37.5

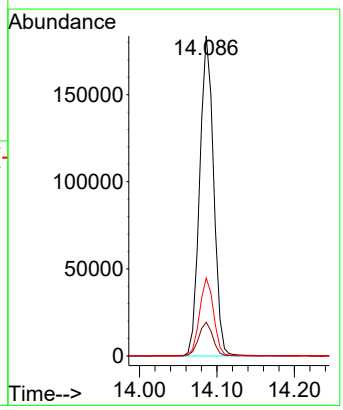


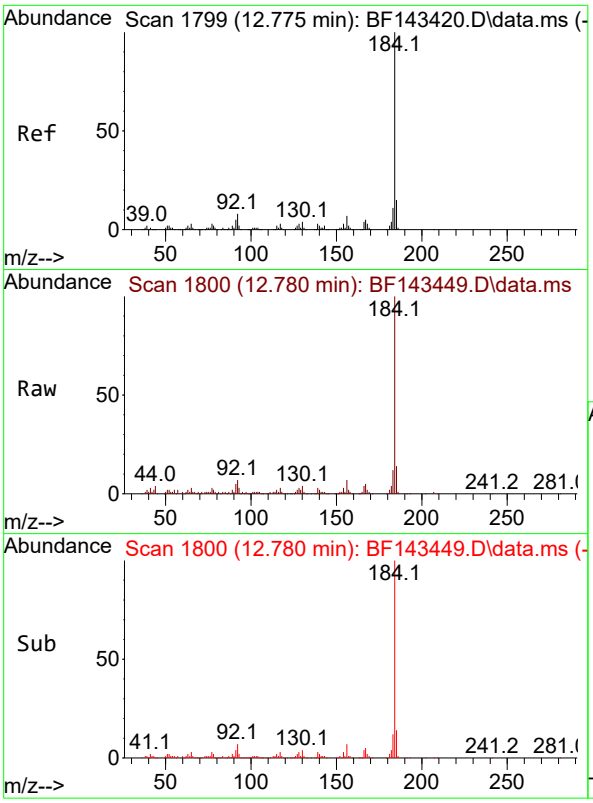


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:240 Resp: 229466

Ion	Ratio	Lower	Upper
240	100		
120	10.5	9.0	13.4
236	24.4	20.2	30.2



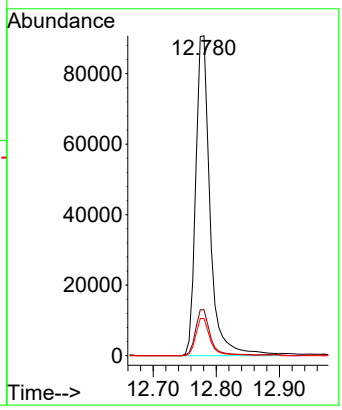


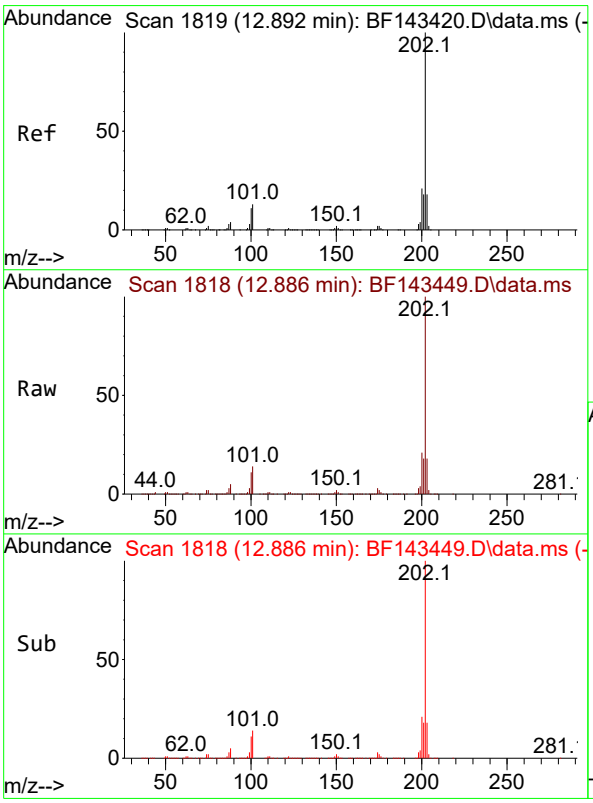
#77
Benzidine
Concen: 20.938 ng
RT: 12.780 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:184 Resp: 143473

Ion	Ratio	Lower	Upper
184	100		
185	14.4	12.2	18.2
183	11.7	9.2	13.8

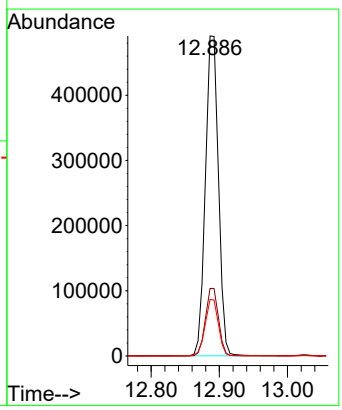


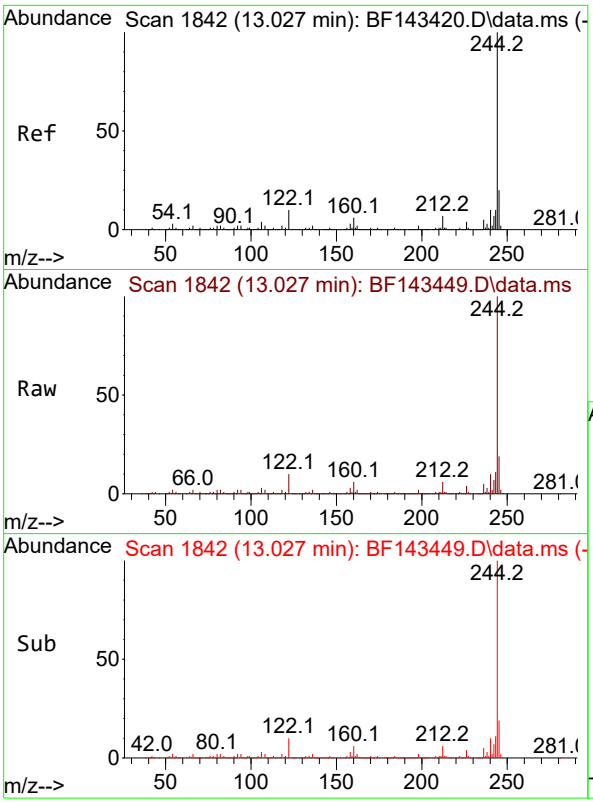


#78
Pyrene
Concen: 32.843 ng
RT: 12.886 min Scan# 1818
Delta R.T. -0.006 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:202 Resp: 655040

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.1	25.7
203	17.7	14.2	21.2



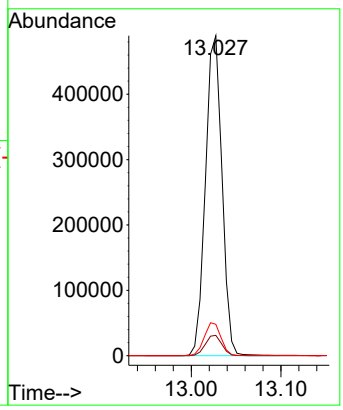


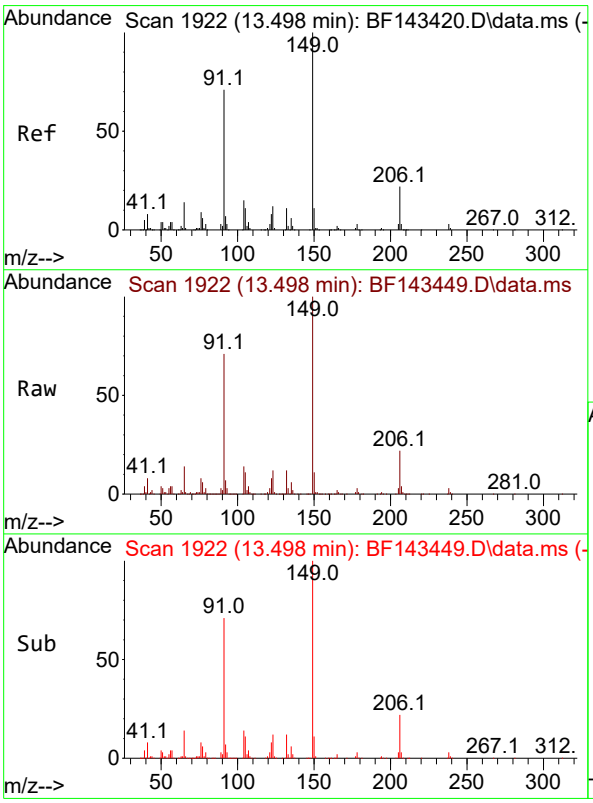
#79
Terphenyl-d14
Concen: 45.820 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:244 Resp: 625894

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.2	7.8
122	9.8	8.3	12.5

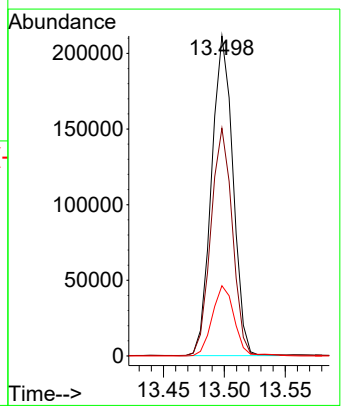


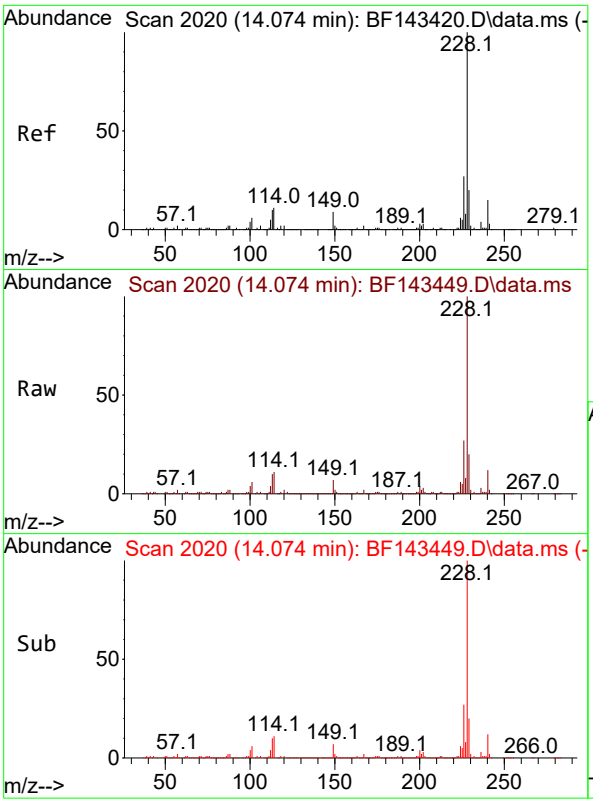


#80
Butylbenzylphthalate
Concen: 52.385 ng
RT: 13.498 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:149 Resp: 258783

Ion	Ratio	Lower	Upper
149	100		
91	71.2	57.0	85.4
206	22.0	17.6	26.4



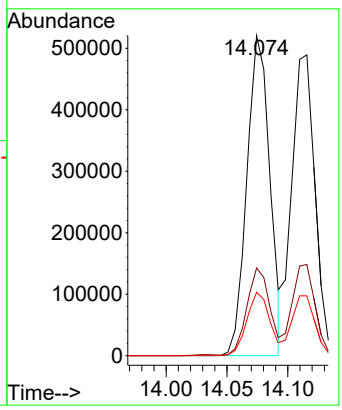


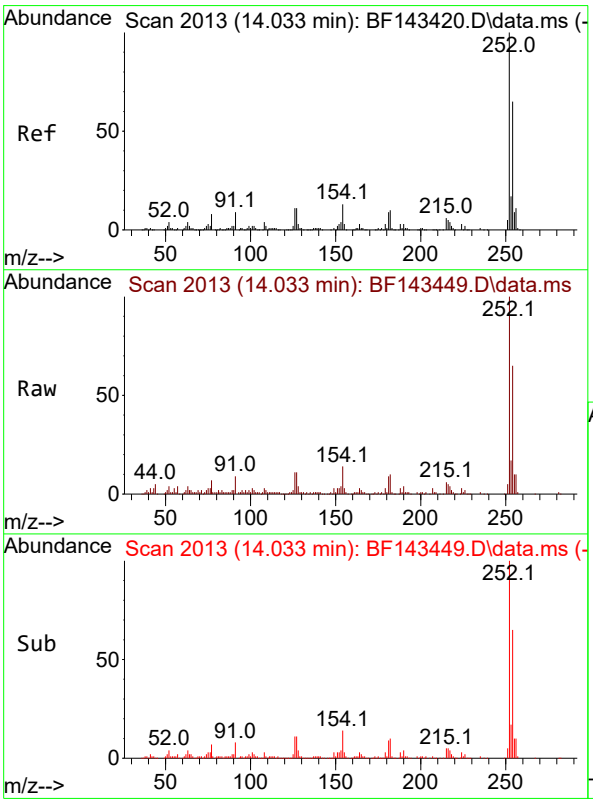
#81
Benzo(a)anthracene
Concen: 46.755 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:228 Resp: 683053

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.5	32.3
229	19.8	15.7	23.5

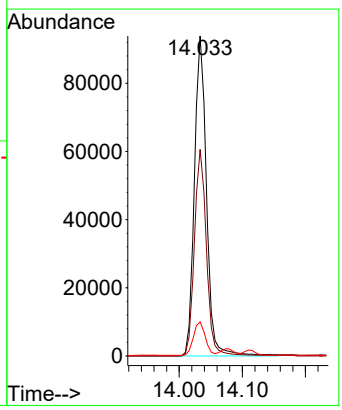


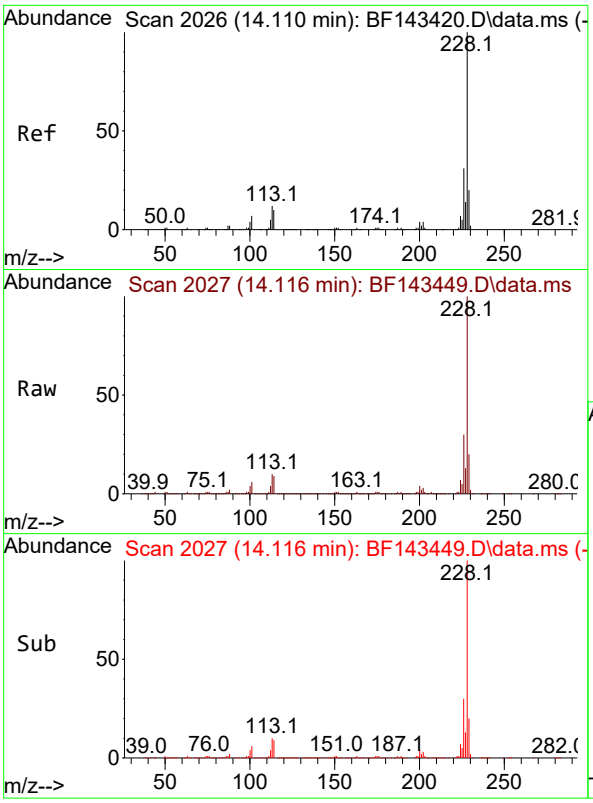


#82
3,3'-Dichlorobenzidine
Concen: 29.206 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:252 Resp: 124926

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.6	77.4
126	10.7	8.8	13.2



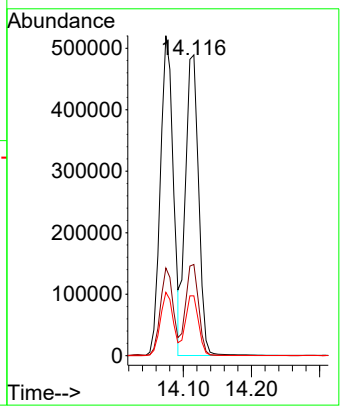


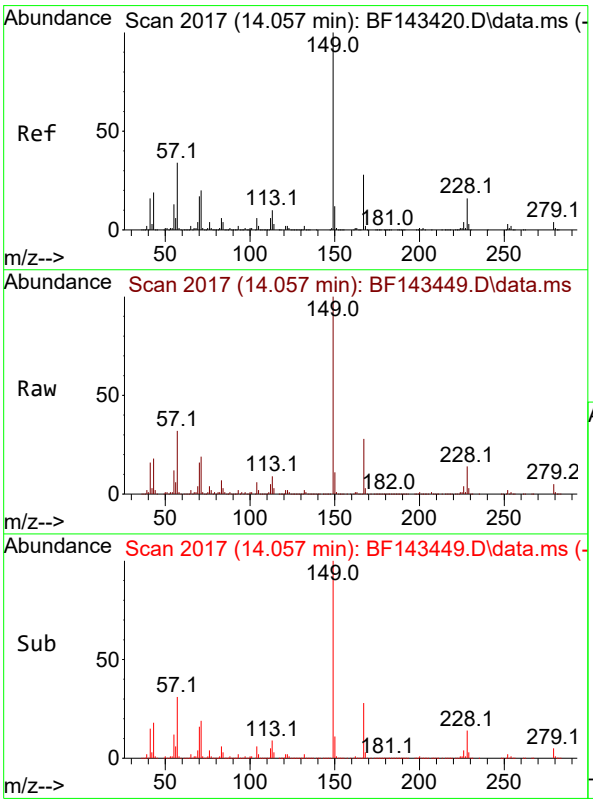
#83
Chrysene
Concen: 48.503 ng
RT: 14.116 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:228 Resp: 655070

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.3	36.5
229	19.9	16.1	24.1

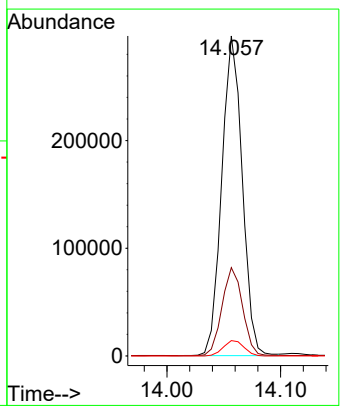


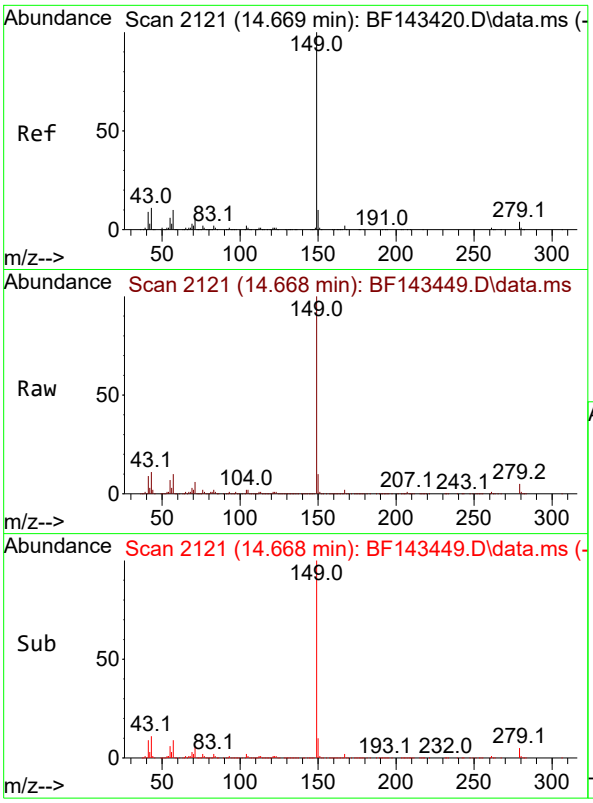


#84
Bis(2-ethylhexyl)phthalate
Concen: 52.979 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:149 Resp: 371677

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.6	33.8
279	4.8	3.5	5.3



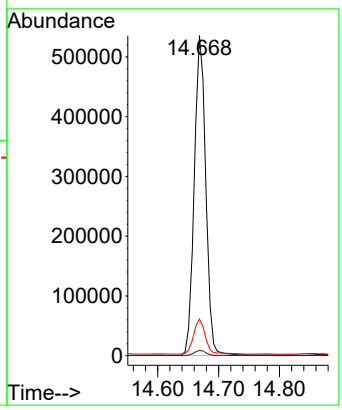


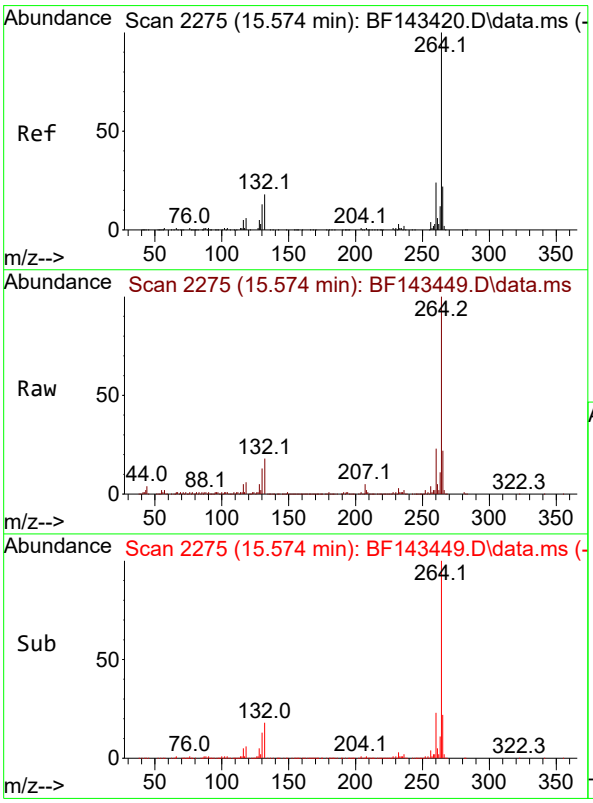
#85
Di-n-octyl phthalate
Concen: 49.293 ng
RT: 14.668 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:149 Resp: 701407

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.2	1.8
43	11.2	9.0	13.6

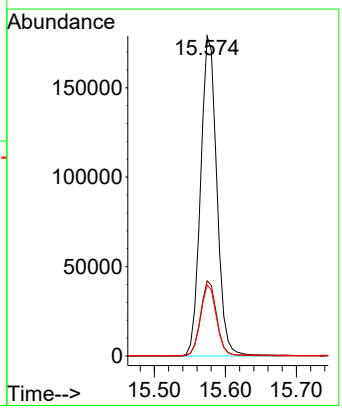


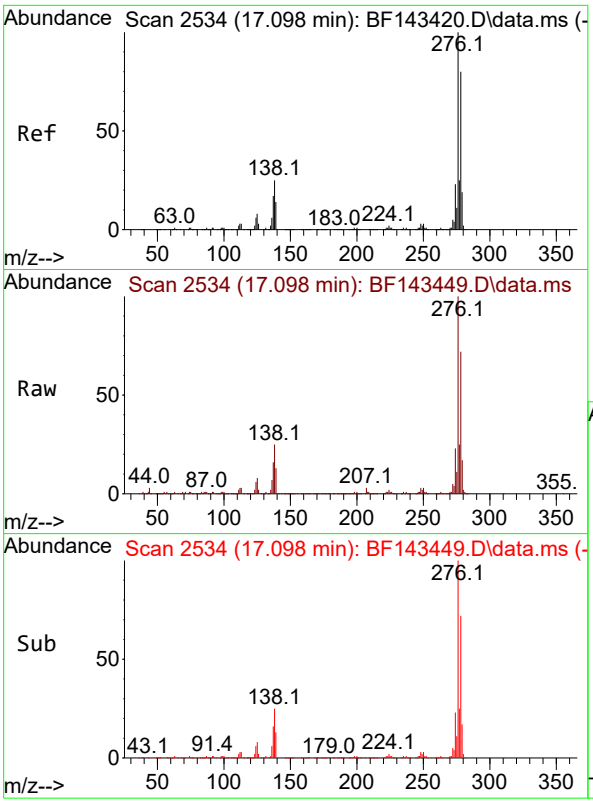


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:264 Resp: 284363

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.8	28.2
265	22.2	17.4	26.0



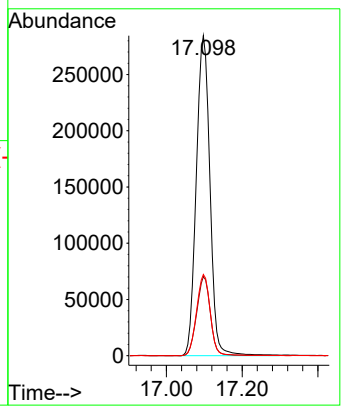


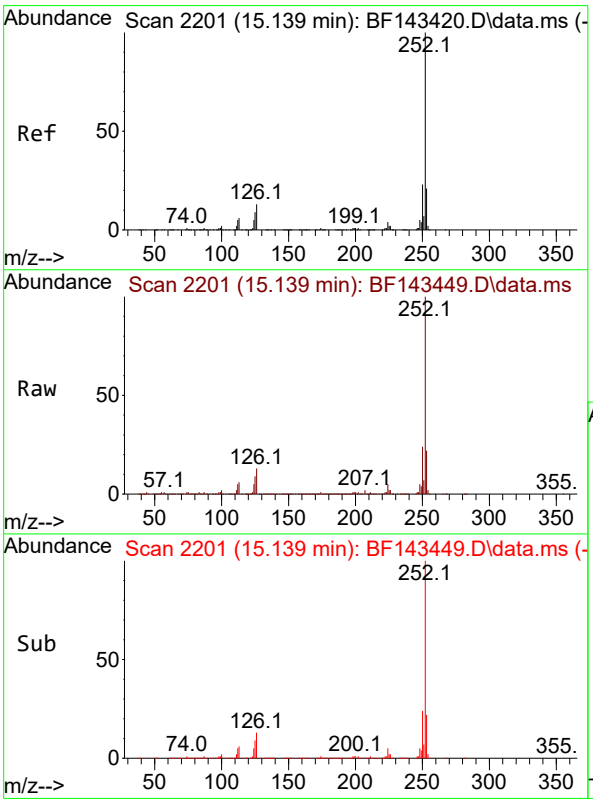
#87
Indeno(1,2,3-cd)pyrene
Concen: 33.525 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:276 Resp: 714910

Ion	Ratio	Lower	Upper
276	100		
138	24.7	20.2	30.4
277	25.4	20.2	30.2

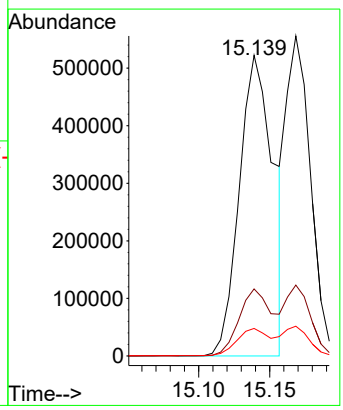


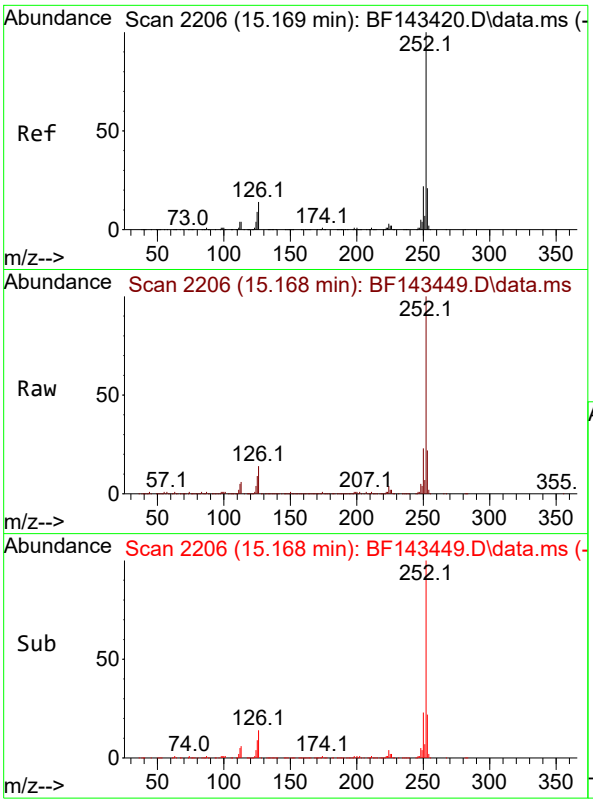


#88
Benzo(b)fluoranthene
Concen: 57.053 ng
RT: 15.139 min Scan# 2201
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:252 Resp: 869532

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	9.2	7.5	11.3



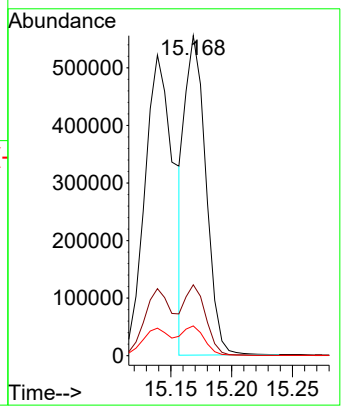


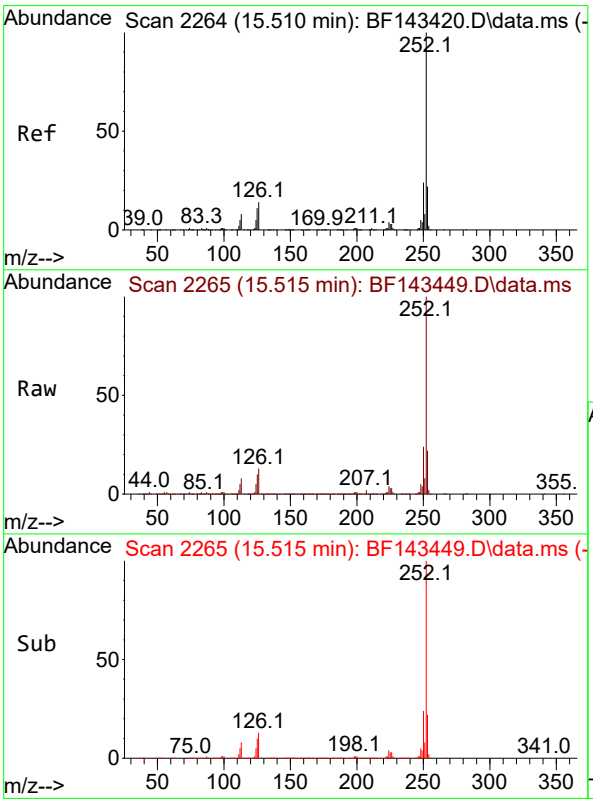
#89
Benzo(k)fluoranthene
Concen: 44.242 ng
RT: 15.168 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:252 Resp: 665050

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	9.3	7.4	11.2

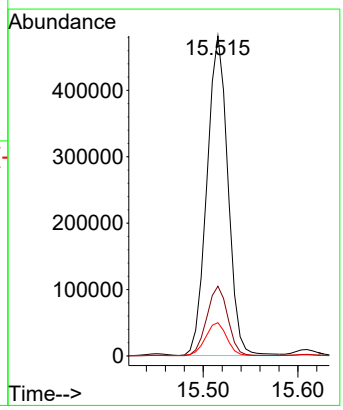


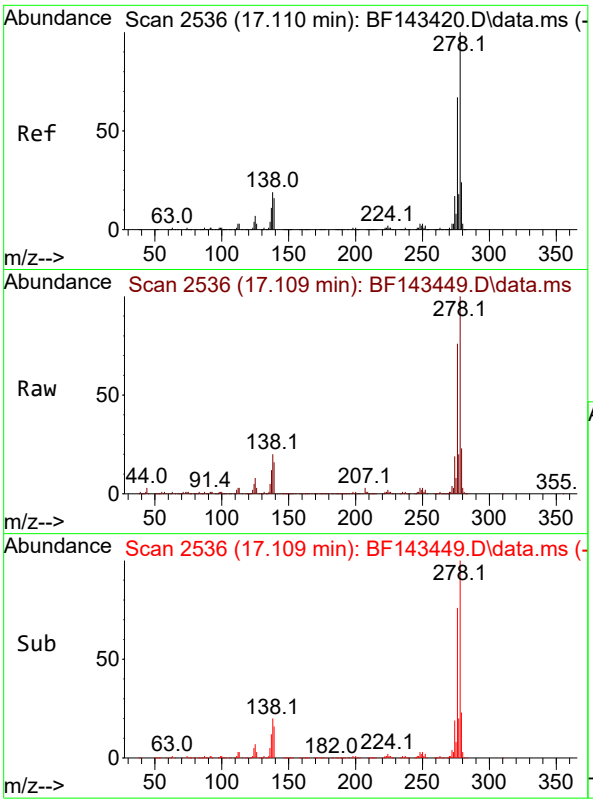


#90
Benzo(a)pyrene
Concen: 50.905 ng
RT: 15.515 min Scan# 2265
Delta R.T. 0.006 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:252 Resp: 738937

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	10.4	8.6	12.8



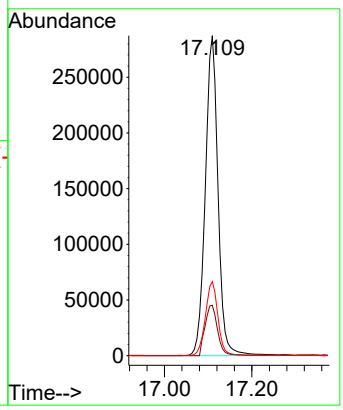


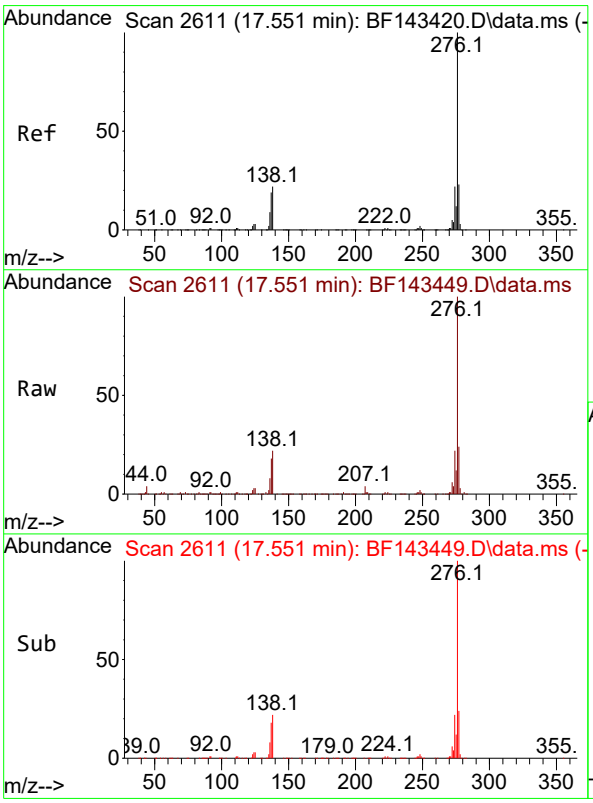
#91
Dibenzo(a,h)anthracene
Concen: 34.037 ng
RT: 17.109 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:278 Resp: 582864

Ion	Ratio	Lower	Upper
278	100		
139	15.8	12.9	19.3
279	23.2	19.0	28.4

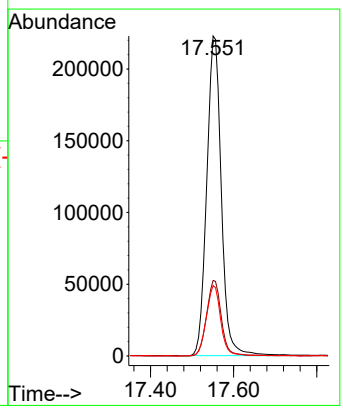




#92
Benzo(g,h,i)perylene
Concen: 31.676 ng
RT: 17.551 min Scan# 2611
Delta R.T. -0.000 min
Lab File: BF143449.D
Acq: 19 Aug 2025 11:35

Tgt Ion:276 Resp: 541892

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.7	28.1
138	22.0	17.5	26.3



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	08/13/25
Project:	Raymark Superfund Site	Date Received:	08/13/25
Client Sample ID:	DRILL CUTTING 1-3 COMPMSD	SDG No.:	Q2879
Lab Sample ID:	Q2873-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143450.D	1	08/18/25 09:06	08/19/25 12:04	PB169285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	1.10		0.016	0.090	0.12	mg/Kg
91-57-6	2-Methylnaphthalene	1.00		0.018	0.090	0.12	mg/Kg
208-96-8	Acenaphthylene	1.20		0.020	0.090	0.12	mg/Kg
83-32-9	Acenaphthene	1.10		0.015	0.090	0.12	mg/Kg
86-73-7	Fluorene	0.96		0.018	0.090	0.12	mg/Kg
85-01-8	Phenanthrene	1.10		0.014	0.090	0.12	mg/Kg
120-12-7	Anthracene	1.10		0.023	0.090	0.12	mg/Kg
206-44-0	Fluoranthene	1.00		0.021	0.090	0.12	mg/Kg
129-00-0	Pyrene	0.82		0.025	0.090	0.12	mg/Kg
56-55-3	Benzo(a)anthracene	1.10		0.016	0.090	0.12	mg/Kg
218-01-9	Chrysene	1.10		0.014	0.090	0.12	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.30		0.013	0.090	0.12	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.10		0.016	0.090	0.12	mg/Kg
50-32-8	Benzo(a)pyrene	1.20		0.020	0.090	0.12	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.76		0.020	0.090	0.12	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.77		0.019	0.090	0.12	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.72		0.018	0.090	0.12	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	64.9		37 - 122		65%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.7		44 - 115		64%	SPK: 100
1718-51-0	Terphenyl-d14	49.6	*	54 - 127		50%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	125000	6.928				
1146-65-2	Naphthalene-d8	459000	8.21				
15067-26-2	Acenaphthene-d10	257000	9.963				
1517-22-2	Phenanthrene-d10	323000	11.445				
1719-03-5	Chrysene-d12	227000	14.086				
1520-96-3	Perylene-d12	281000	15.574				

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	08/13/25
Project:	Raymark Superfund Site	Date Received:	08/13/25
Client Sample ID:	DRILL CUTTING 1-3 COMPMSD	SDG No.:	Q2879
Lab Sample ID:	Q2873-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143450.D	1	08/18/25 09:06	08/19/25 12:04	PB169285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143450.D
Acq On : 19 Aug 2025 12:04
Operator : RC/JU
Sample : Q2873-01MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Quant Time: Aug 19 12:36:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	124558	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	459157	20.000	ng		0.00
39) Acenaphthene-d10	9.963	164	257230	20.000	ng		0.00
64) Phenanthrene-d10	11.445	188	322762	20.000	ng		0.00
76) Chrysene-d12	14.086	240	226805	20.000	ng		0.00
86) Perylene-d12	15.574	264	281296	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.569	112	614205	85.718	ng		0.01
7) Phenol-d6	6.557	99	767574	85.002	ng		0.00
23) Nitrobenzene-d5	7.487	82	502103	64.889	ng		0.00
42) 2,4,6-Tribromophenol	10.751	330	182720	79.806	ng		0.00
45) 2-Fluorobiphenyl	9.281	172	974033	63.691	ng		0.00
79) Terphenyl-d14	13.027	244	669799	49.609	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.816	88	154145	44.692	ng		99
3) Pyridine	3.581	79	413358	45.695	ng		97
4) n-Nitrosodimethylamine	3.522	42	218738	52.023	ng		100
6) Aniline	6.587	93	369157	30.113	ng	#	81
8) 2-Chlorophenol	6.716	128	363094	45.899	ng		99
9) Benzaldehyde	6.475	77	207612	43.218	ng		100
10) Phenol	6.575	94	459973	43.652	ng		99
11) bis(2-Chloroethyl)ether	6.657	93	353746	45.289	ng		99
12) 1,3-Dichlorobenzene	6.869	146	416195	46.967	ng		99
13) 1,4-Dichlorobenzene	6.945	146	417488	47.190	ng		99
14) 1,2-Dichlorobenzene	7.098	146	402654	47.651	ng		98
15) Benzyl Alcohol	7.063	79	319567	47.988	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.198	45	598540	44.823	ng		98
17) 2-Methylphenol	7.181	107	294416	45.615	ng		99
18) Hexachloroethane	7.439	117	140191	46.554	ng		99
19) n-Nitroso-di-n-propyla...	7.334	70	256690	45.917	ng		98
20) 3+4-Methylphenols	7.334	107	346937	44.964	ng		99
22) Acetophenone	7.328	105	481389	48.762	ng		99
24) Nitrobenzene	7.504	77	395462	48.899	ng		99
25) Isophorone	7.745	82	707087	47.745	ng		99
26) 2-Nitrophenol	7.822	139	192385	51.315	ng		99
27) 2,4-Dimethylphenol	7.857	122	282110	44.505	ng		98
28) bis(2-Chloroethoxy)met...	7.951	93	427250	46.936	ng		100
29) 2,4-Dichlorophenol	8.069	162	307783	47.631	ng		98
30) 1,2,4-Trichlorobenzene	8.151	180	332900	50.280	ng		100
31) Naphthalene	8.228	128	1023139	46.936	ng		100
32) Benzoic acid	7.981	122	163943	49.729	ng		98
33) 4-Chloroaniline	8.275	127	118964	15.119	ng		98
34) Hexachlorobutadiene	8.351	225	206112	48.819	ng		99
35) Caprolactam	8.639	113	87488	47.027	ng		97
36) 4-Chloro-3-methylphenol	8.763	107	325920	48.973	ng		99
37) 2-Methylnaphthalene	8.922	142	656872	44.705	ng		99
38) 1-Methylnaphthalene	9.022	142	671278	47.683	ng		99
40) 1,2,4,5-Tetrachloroben...	9.086	216	345821	48.206	ng		99
41) Hexachlorocyclopentadiene	9.075	237	318244	118.207	ng		98
43) 2,4,6-Trichlorophenol	9.198	196	218023	48.720	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143450.D
Acq On : 19 Aug 2025 12:04
Operator : RC/JU
Sample : Q2873-01MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Quant Time: Aug 19 12:36:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

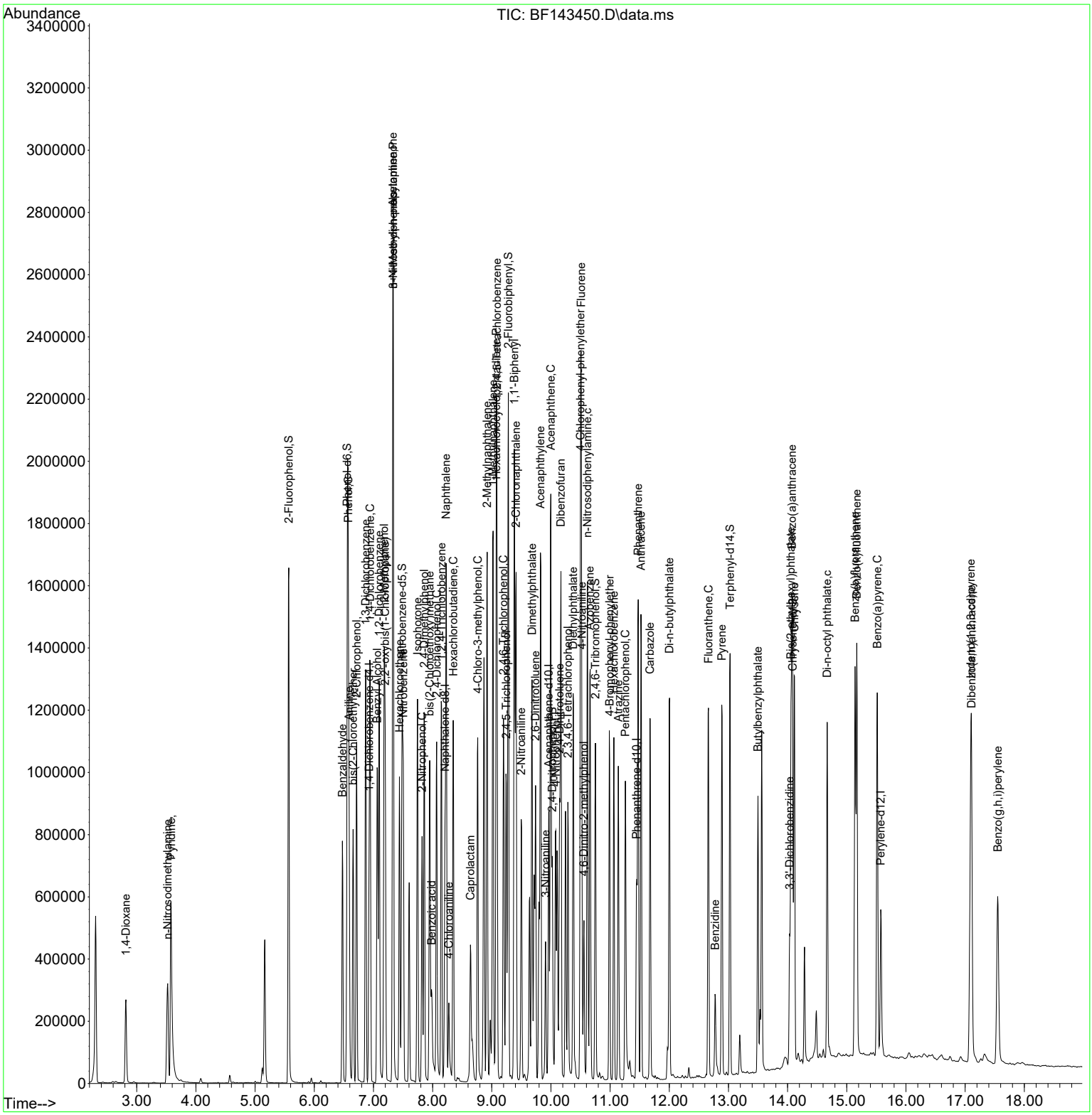
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	228826	47.703	ng	99
46) 1,1'-Biphenyl	9.381	154	880833	48.736	ng	100
47) 2-Chloronaphthalene	9.410	162	674536	47.281	ng	99
48) 2-Nitroaniline	9.498	65	201491	47.459	ng	98
49) Acenaphthylene	9.822	152	1064862	51.697	ng	100
50) Dimethylphthalate	9.681	163	778054	48.516	ng	99
51) 2,6-Dinitrotoluene	9.739	165	166259	52.590	ng	97
52) Acenaphthene	9.998	154	673086	48.585	ng	99
53) 3-Nitroaniline	9.910	138	95330	27.070	ng	98
54) 2,4-Dinitrophenol	10.022	184	137749	92.733	ng	99
55) Dibenzofuran	10.169	168	897495	44.908	ng	99
56) 4-Nitrophenol	10.080	139	194002	87.625	ng	98
57) 2,4-Dinitrotoluene	10.145	165	214017	50.776	ng	99
58) Fluorene	10.510	166	642506	41.848	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.286	232	169437	46.662	ng	98
60) Diethylphthalate	10.375	149	664812	44.860	ng	100
61) 4-Chlorophenyl-phenyle...	10.498	204	326731	43.043	ng	100
62) 4-Nitroaniline	10.522	138	128513	39.021	ng	98
63) Azobenzene	10.657	77	689523	46.034	ng	98
65) 4,6-Dinitro-2-methylph...	10.557	198	95734	57.486	ng	99
66) n-Nitrosodiphenylamine	10.616	169	552606	52.656	ng	100
67) 4-Bromophenyl-phenylether	10.992	248	198982	52.207	ng	99
68) Hexachlorobenzene	11.063	284	206631	50.996	ng	100
69) Atrazine	11.139	200	164848	53.703	ng	99
70) Pentachlorophenol	11.257	266	192320	107.930	ng	99
71) Phenanthrene	11.475	178	836985	47.888	ng	100
72) Anthracene	11.522	178	839872	47.576	ng	100
73) Carbazole	11.674	167	666136	44.616	ng	100
74) Di-n-butylphthalate	12.004	149	880399	59.214	ng	100
75) Fluoranthene	12.663	202	701406	45.164	ng	100
77) Benzidine	12.774	184	162975	24.063	ng	99
78) Pyrene	12.886	202	699804	35.499	ng	100
80) Butylbenzylphthalate	13.498	149	276906	56.711	ng	99
81) Benzo(a)anthracene	14.074	228	687251	47.595	ng	99
82) 3,3'-Dichlorobenzidine	14.033	252	126949	30.028	ng	98
83) Chrysene	14.116	228	658665	49.341	ng	100
84) Bis(2-ethylhexyl)phtha...	14.057	149	384878	55.504	ng	99
85) Di-n-octyl phthalate	14.668	149	712165	50.636	ng	100
87) Indeno(1,2,3-cd)pyrene	17.098	276	700088	33.188	ng	99
88) Benzo(b)fluoranthene	15.139	252	858196	56.923	ng	99
89) Benzo(k)fluoranthene	15.168	252	686212	46.147	ng	99
90) Benzo(a)pyrene	15.515	252	733985	51.115	ng	100
91) Dibenzo(a,h)anthracene	17.109	278	568407	33.554	ng	99
92) Benzo(g,h,i)perylene	17.551	276	530004	31.319	ng	100

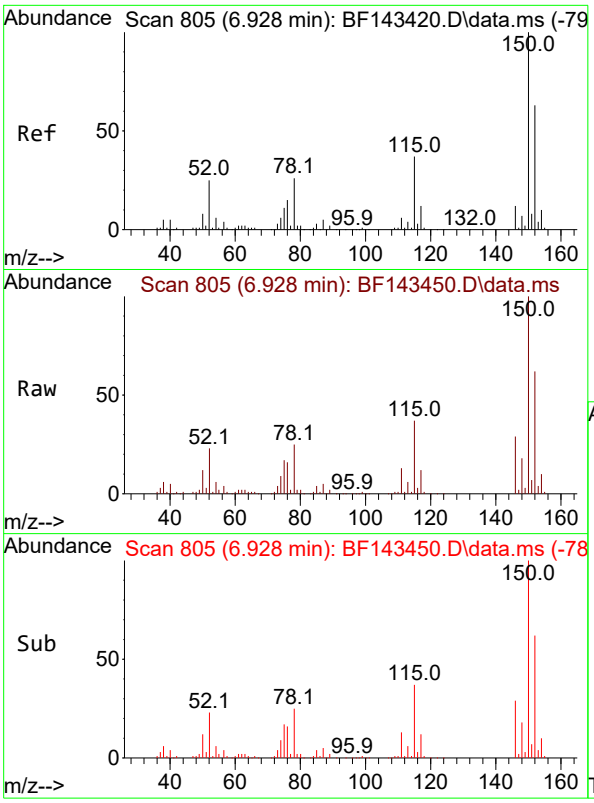
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143450.D
Acq On : 19 Aug 2025 12:04
Operator : RC/JU
Sample : Q2873-01MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Quant Time: Aug 19 12:36:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration



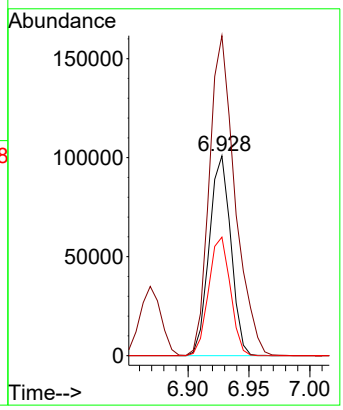


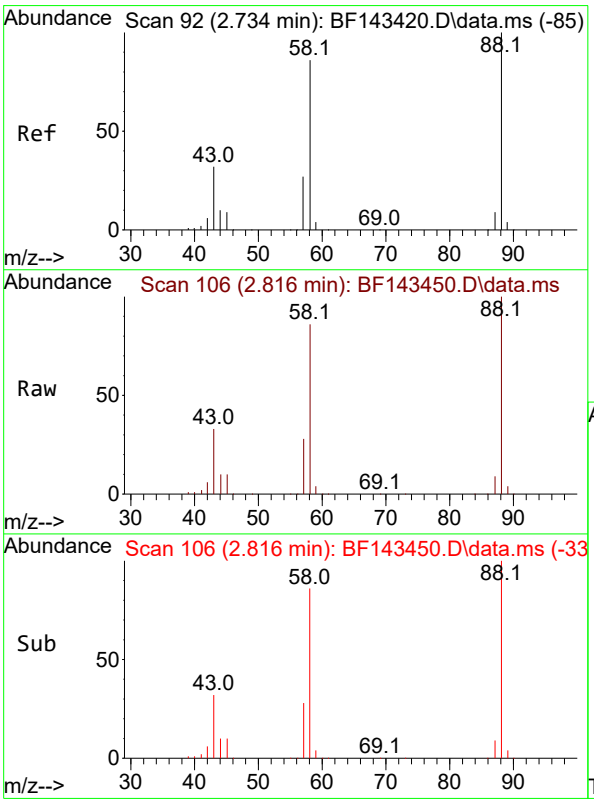
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:152 Resp: 124558

Ion	Ratio	Lower	Upper
152	100		
150	160.1	127.4	191.2
115	59.3	47.5	71.3

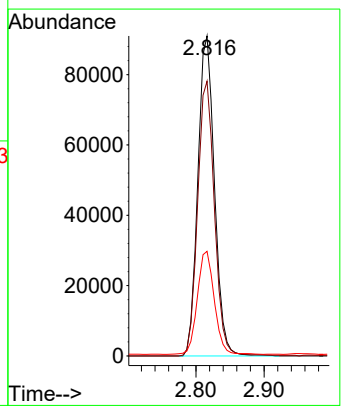


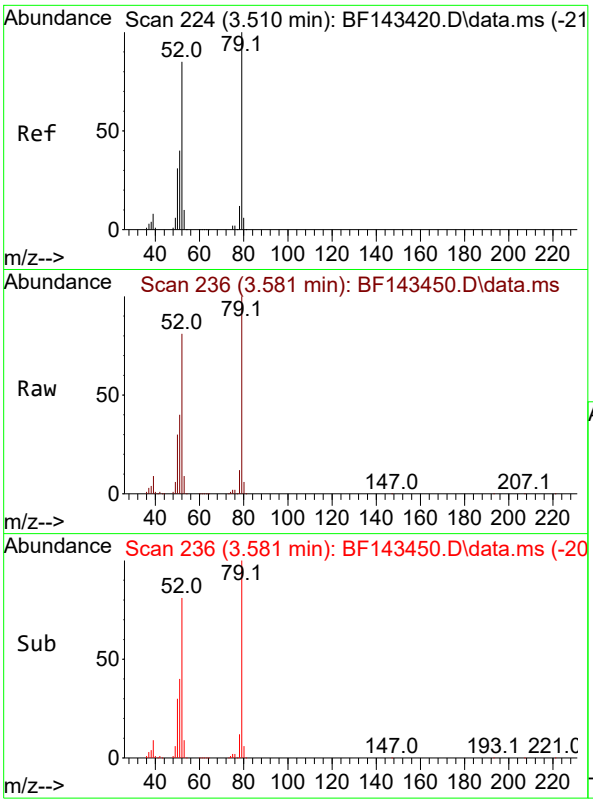


#2
1,4-Dioxane
Concen: 44.692 ng
RT: 2.816 min Scan# 106
Delta R.T. 0.082 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion: 88 Resp: 154145

Ion	Ratio	Lower	Upper
88	100		
58	86.9	68.7	103.1
43	32.7	26.1	39.1



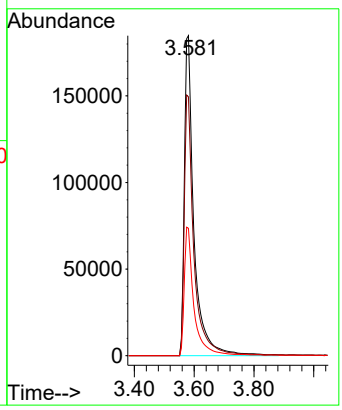


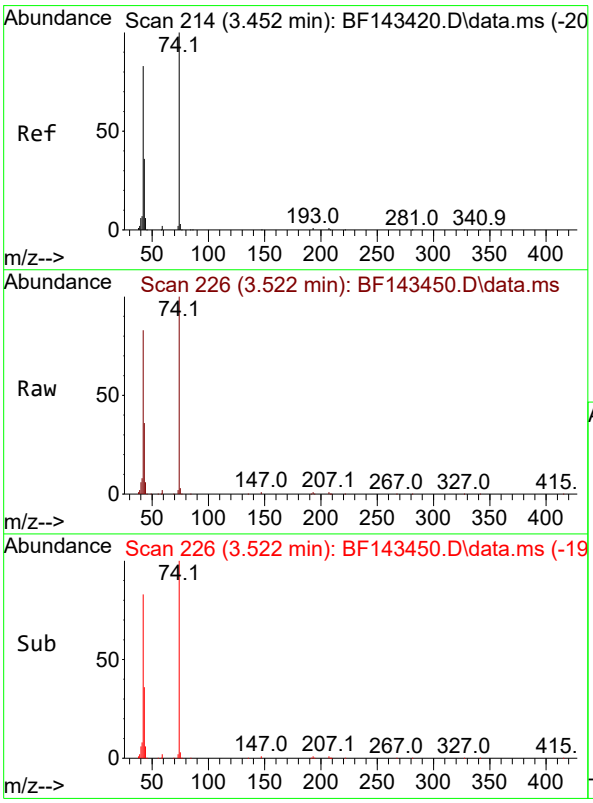
#3
Pyridine
Concen: 45.695 ng
RT: 3.581 min Scan# 2
Delta R.T. 0.070 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion: 79 Resp: 413358

Ion	Ratio	Lower	Upper
79	100		
52	80.9	67.7	101.5
51	39.8	32.3	48.5

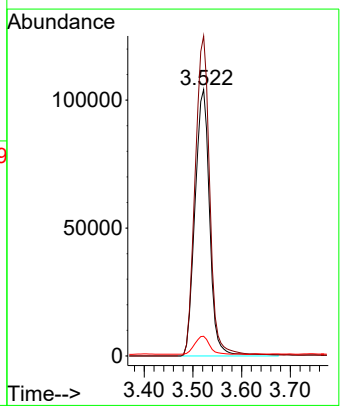


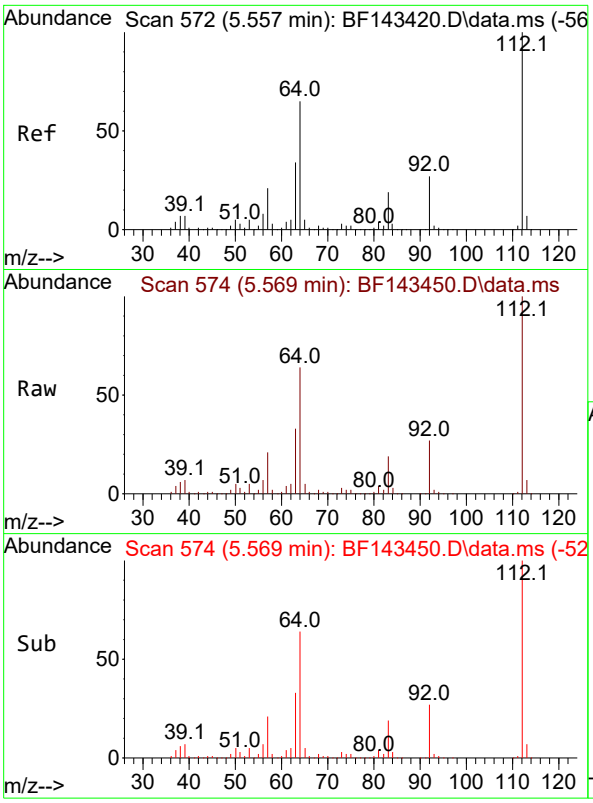


#4
n-Nitrosodimethylamine
Concen: 52.023 ng
RT: 3.522 min Scan# 226
Delta R.T. 0.070 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion: 42 Resp: 218738

Ion	Ratio	Lower	Upper
42	100		
74	120.1	96.2	144.4
44	7.4	5.9	8.9



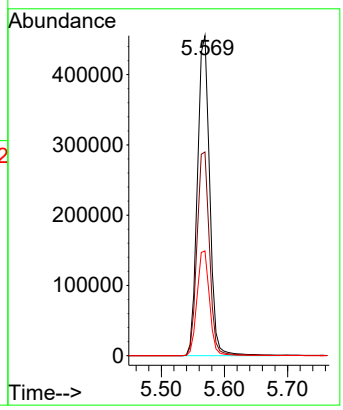


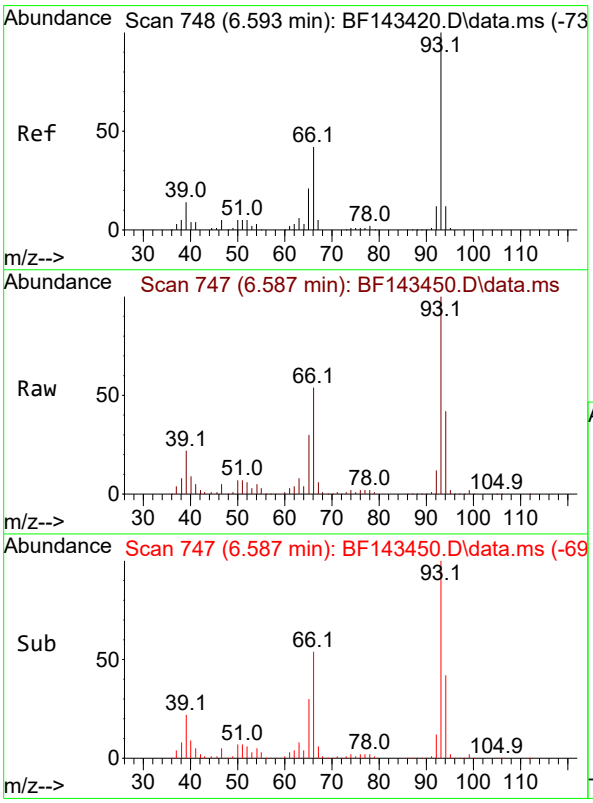
#5
2-Fluorophenol
Concen: 85.718 ng
RT: 5.569 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:112 Resp: 614205

Ion	Ratio	Lower	Upper
112	100		
64	63.7	52.2	78.2
63	32.8	27.0	40.6

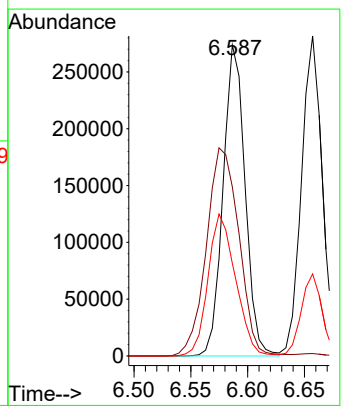


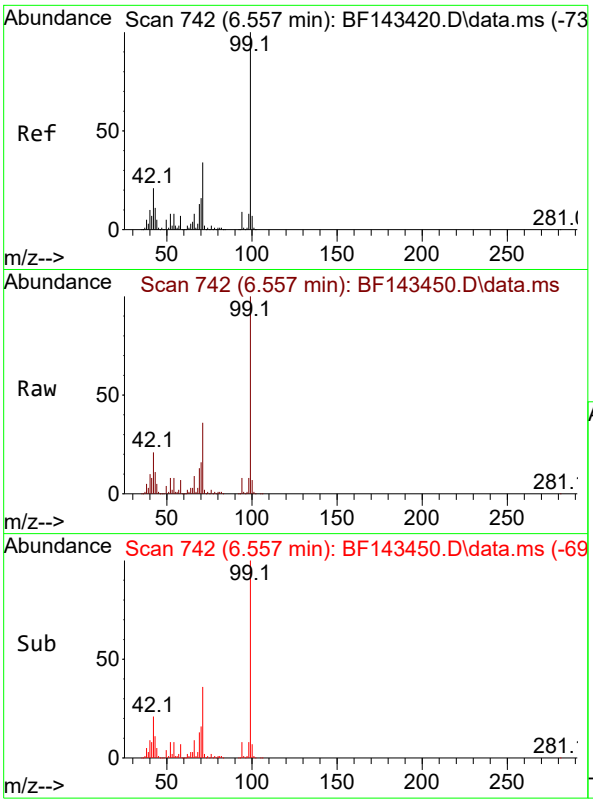


#6
Aniline
Concen: 30.113 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion: 93 Resp: 369157

Ion	Ratio	Lower	Upper
93	100		
66	54.4	33.8	50.8#
65	29.8	17.2	25.8#



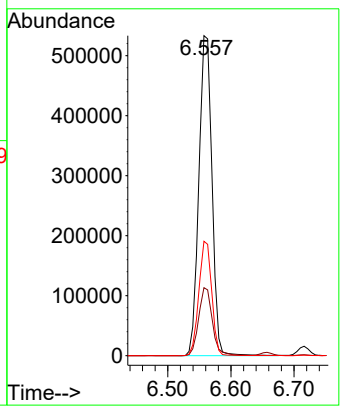


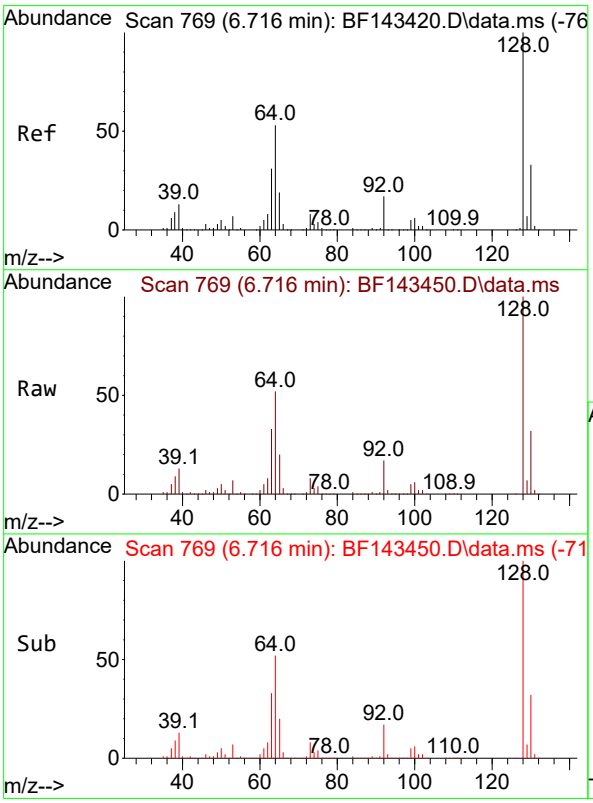
#7
Phenol-d6
Concen: 85.002 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion: 99 Resp: 767574

Ion	Ratio	Lower	Upper
99	100		
42	21.3	17.0	25.6
71	35.8	27.4	41.2

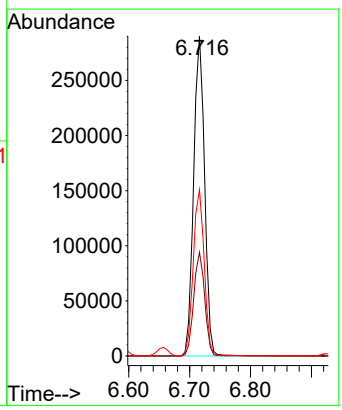


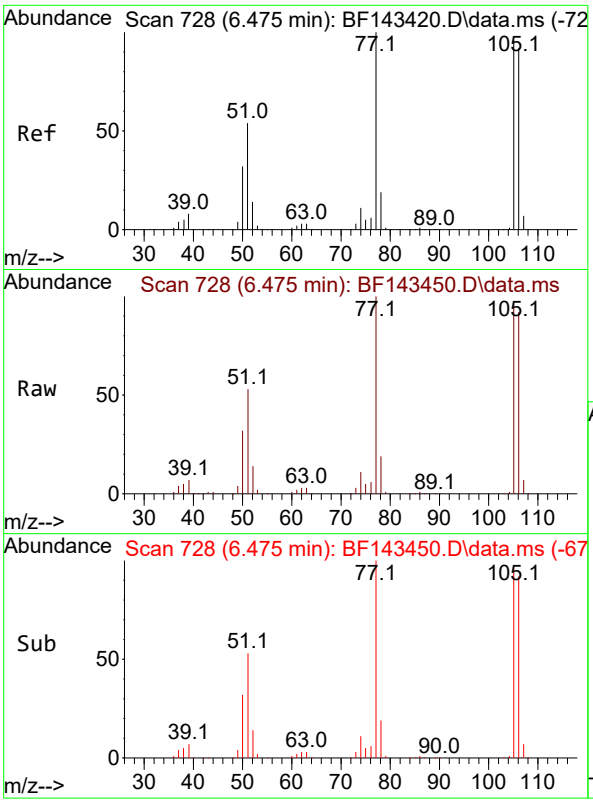


#8
2-Chlorophenol
Concen: 45.899 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:128 Resp: 363094

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.9	52.9
64	52.0	33.1	73.1



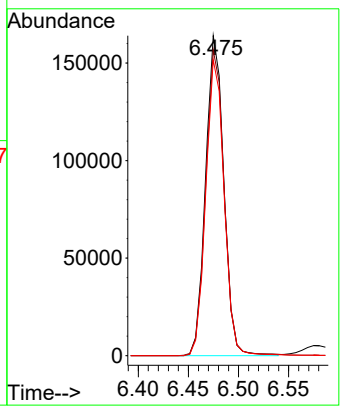


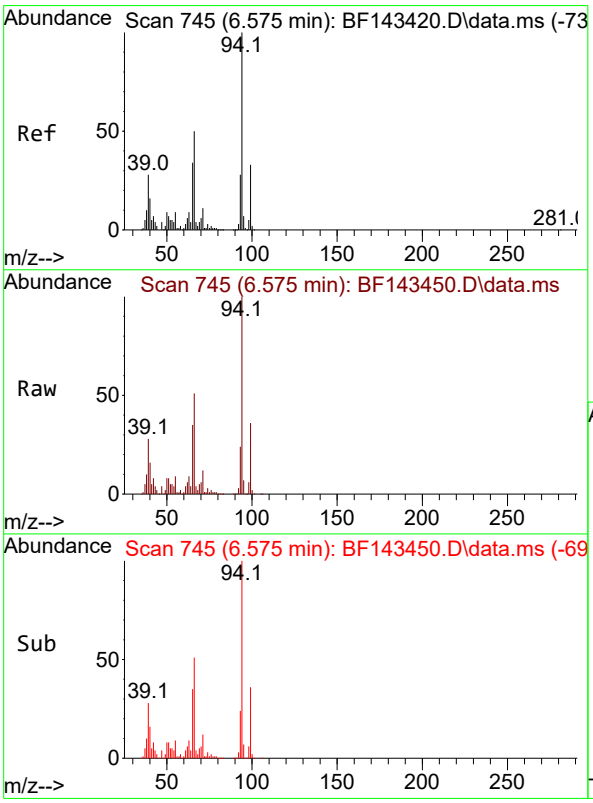
#9
Benzaldehyde
Concen: 43.218 ng
RT: 6.475 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion: 77 Resp: 207612

Ion	Ratio	Lower	Upper
77	100		
105	95.5	75.5	115.5
106	92.4	72.0	112.0

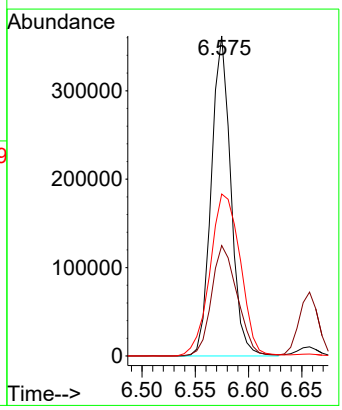


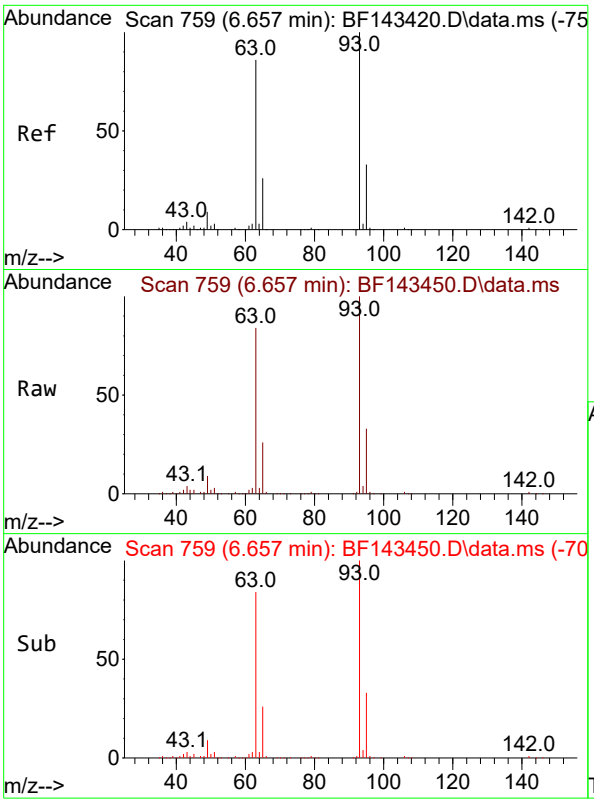


#10
Phenol
Concen: 43.652 ng
RT: 6.575 min Scan# 745
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion: 94 Resp: 459973

Ion	Ratio	Lower	Upper
94	100		
65	34.5	13.7	53.7
66	50.6	30.3	70.3



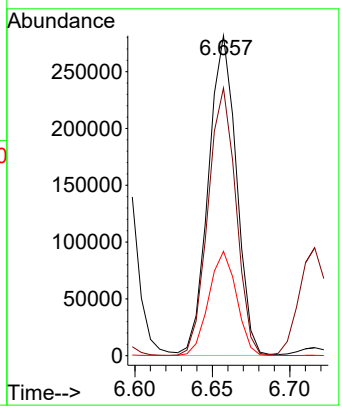


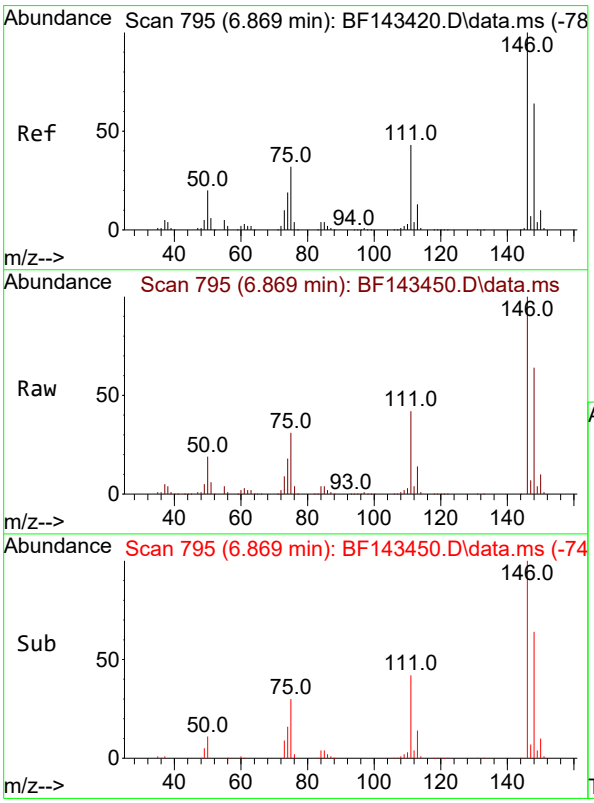
#11
bis(2-Chloroethyl)ether
Concen: 45.289 ng
RT: 6.657 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion: 93 Resp: 353746

Ion	Ratio	Lower	Upper
93	100		
63	83.6	65.4	105.4
95	32.6	12.8	52.8

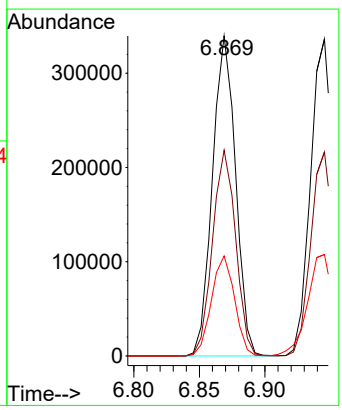


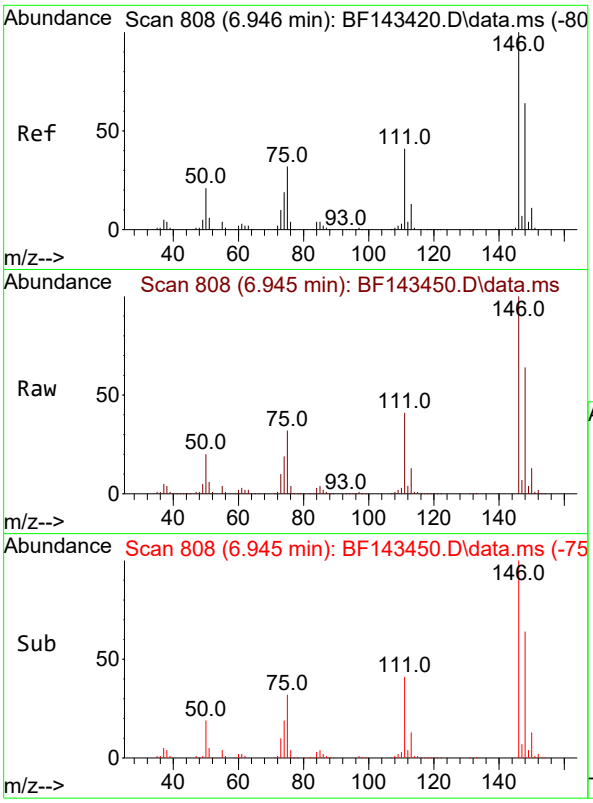


#12
1,3-Dichlorobenzene
Concen: 46.967 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:146 Resp: 416195

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.0	76.4
75	31.3	25.3	37.9



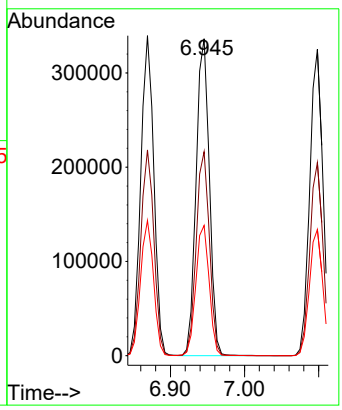


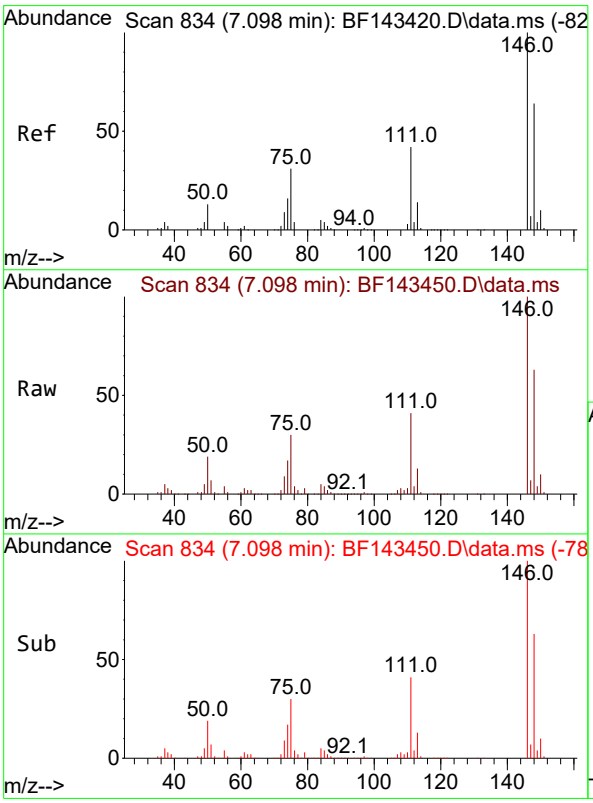
#13
1,4-Dichlorobenzene
Concen: 47.190 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:146 Resp: 417488

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.1	76.7
111	41.1	32.5	48.7

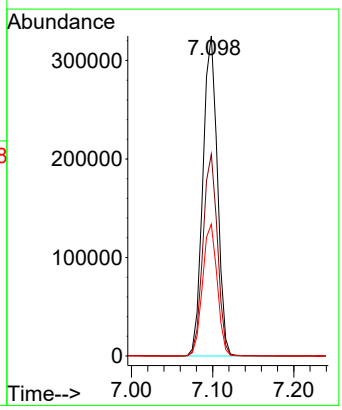


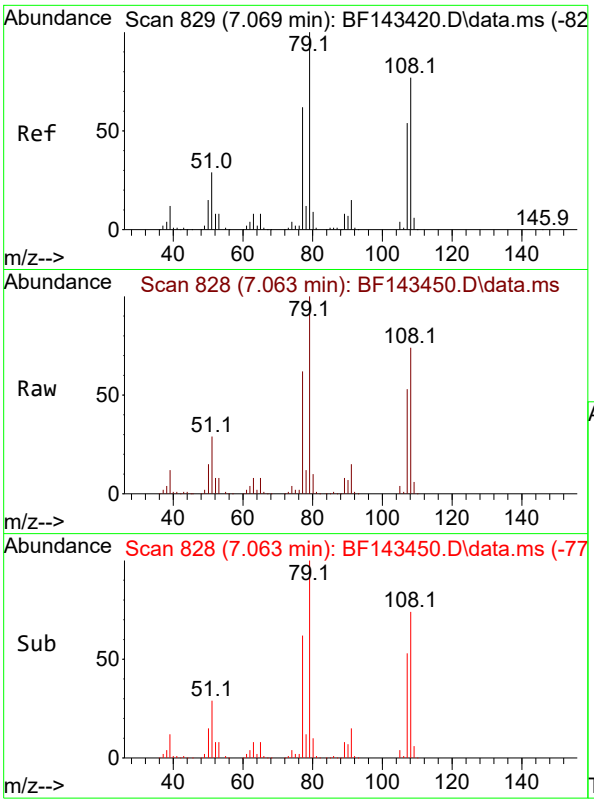


#14
1,2-Dichlorobenzene
Concen: 47.651 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:146 Resp: 402654

Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.4	77.0
111	41.2	33.9	50.9



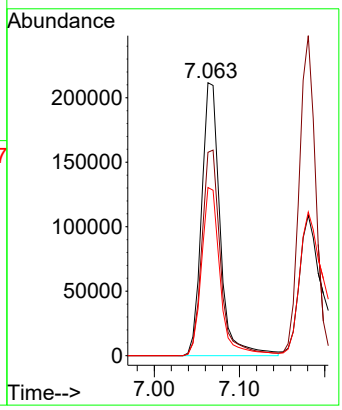


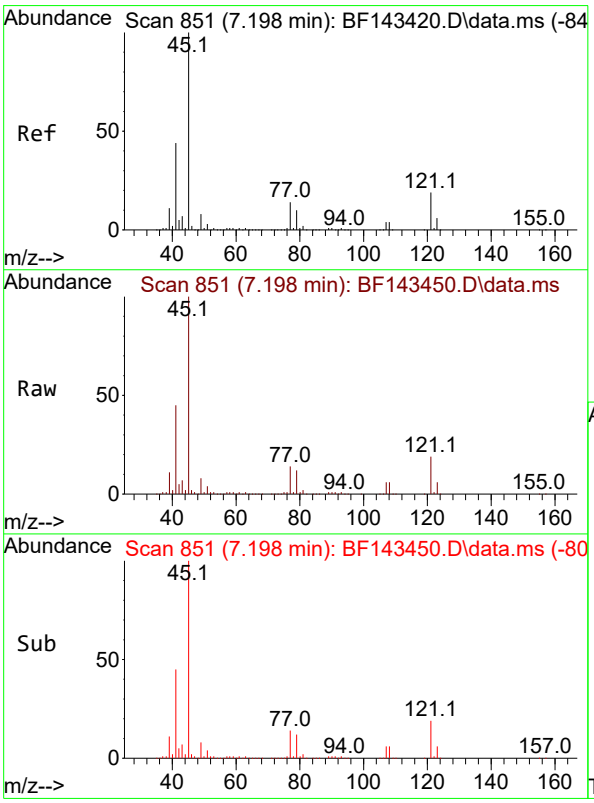
#15
Benzyl Alcohol
Concen: 47.988 ng
RT: 7.063 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion: 79 Resp: 319567

Ion	Ratio	Lower	Upper
79	100		
108	74.5	61.9	92.9
77	61.6	49.2	73.8

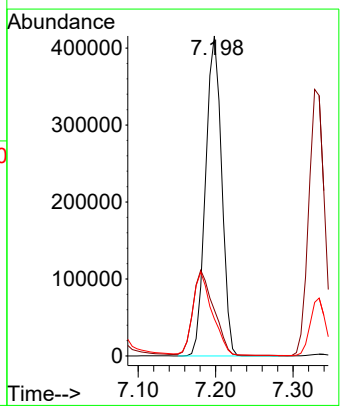


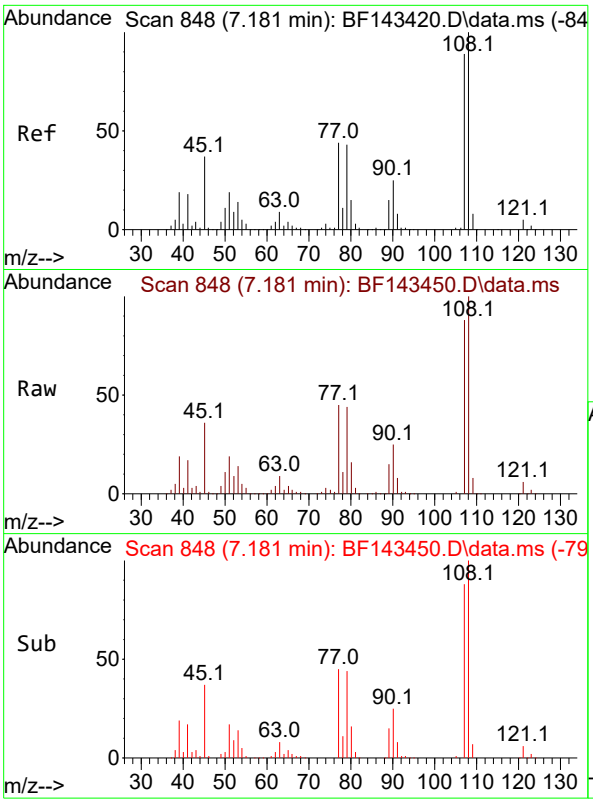


#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.823 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion: 45 Resp: 598540

Ion	Ratio	Lower	Upper
45	100		
77	14.4	0.0	33.9
79	11.6	0.0	30.7



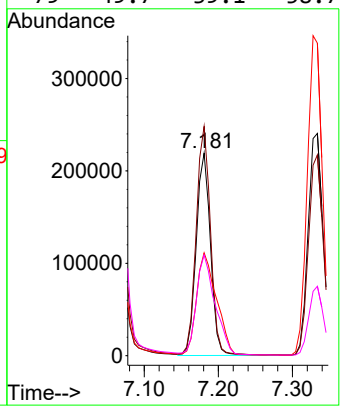


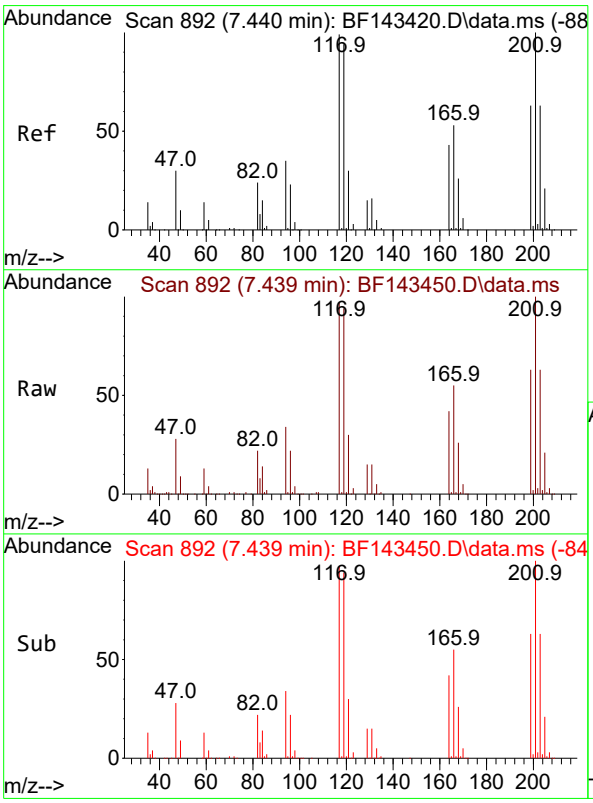
#17
2-Methylphenol
Concen: 45.615 ng
RT: 7.181 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:107 Resp: 294416

Ion	Ratio	Lower	Upper
107	100		
108	113.2	90.1	135.1
77	50.8	39.9	59.9
79	49.7	39.1	58.7

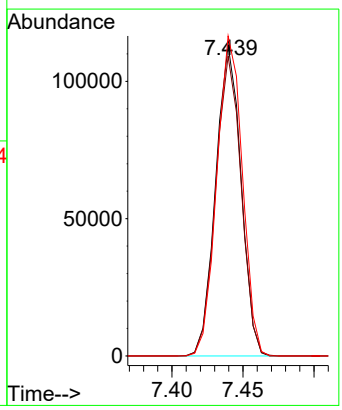


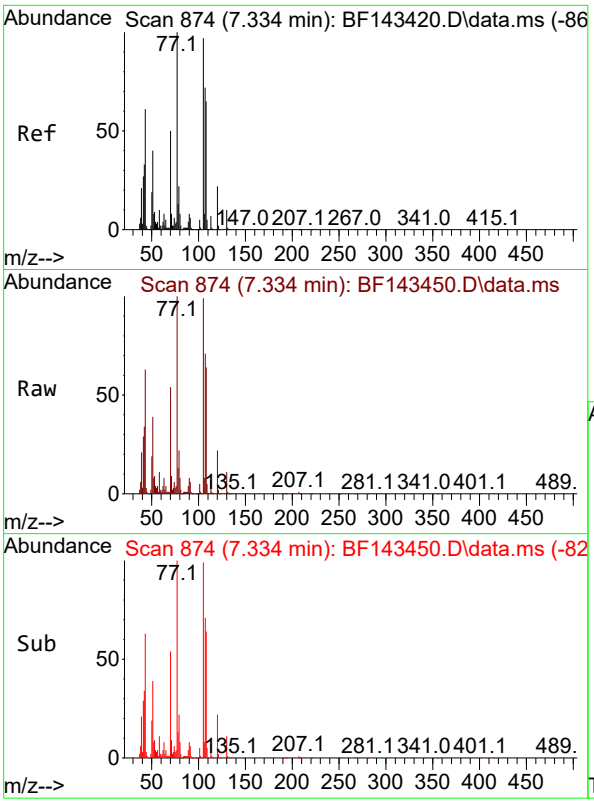


#18
Hexachloroethane
Concen: 46.554 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:117 Resp: 140191

Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.6	114.8
201	103.0	81.0	121.4



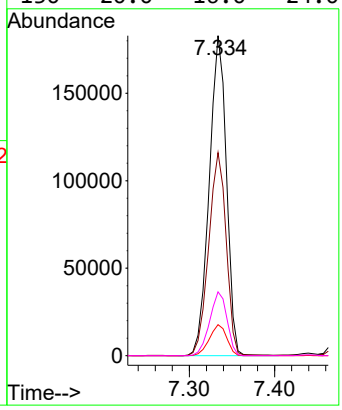


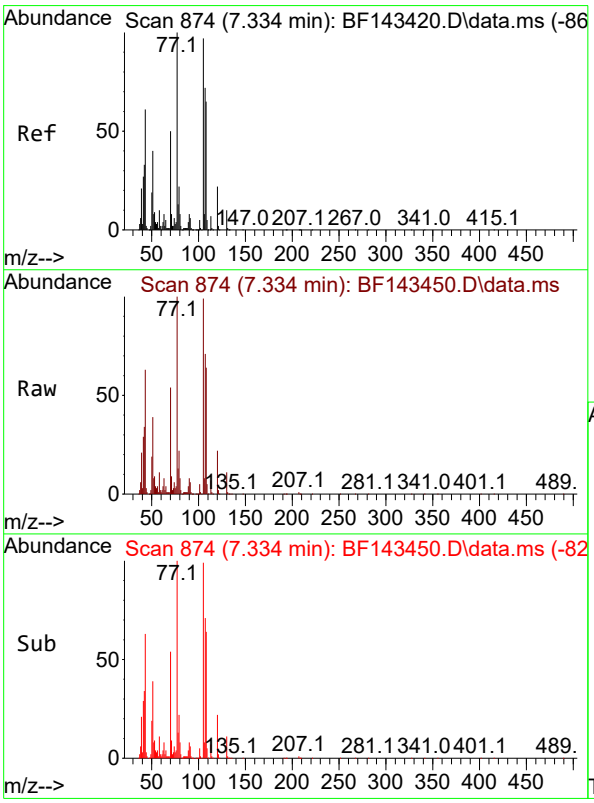
#19
n-Nitroso-di-n-propylamine
Concen: 45.917 ng
RT: 7.334 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion: 70 Resp: 256690

Ion	Ratio	Lower	Upper
70	100		
42	63.5	52.5	78.7
101	9.7	7.9	11.9
130	20.0	16.0	24.0

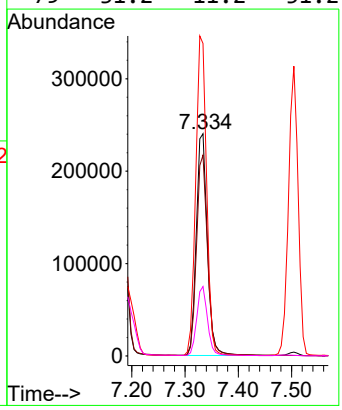


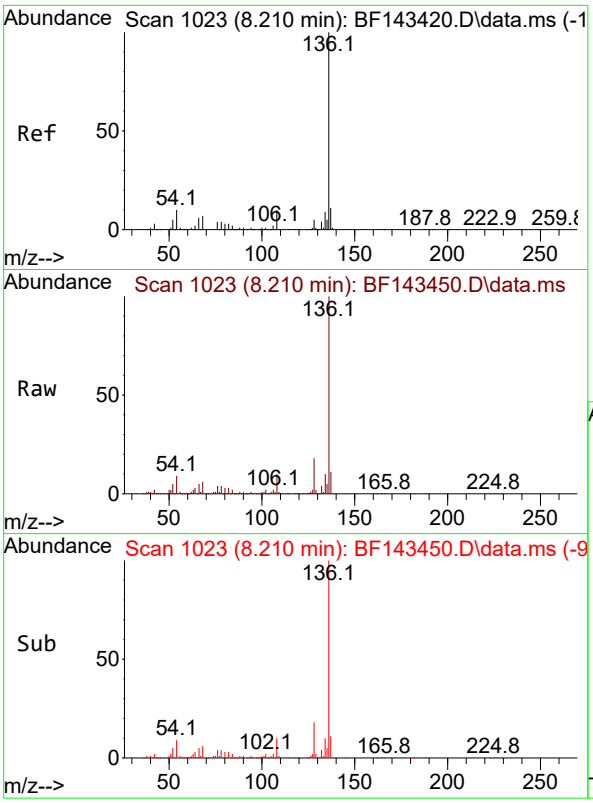


#20
3+4-Methylphenols
Concen: 44.964 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:107 Resp: 346937

Ion	Ratio	Lower	Upper
107	100		
108	90.3	70.8	110.8
77	140.5	119.1	159.1
79	31.2	11.2	51.2



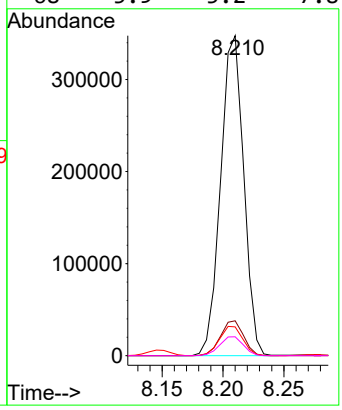


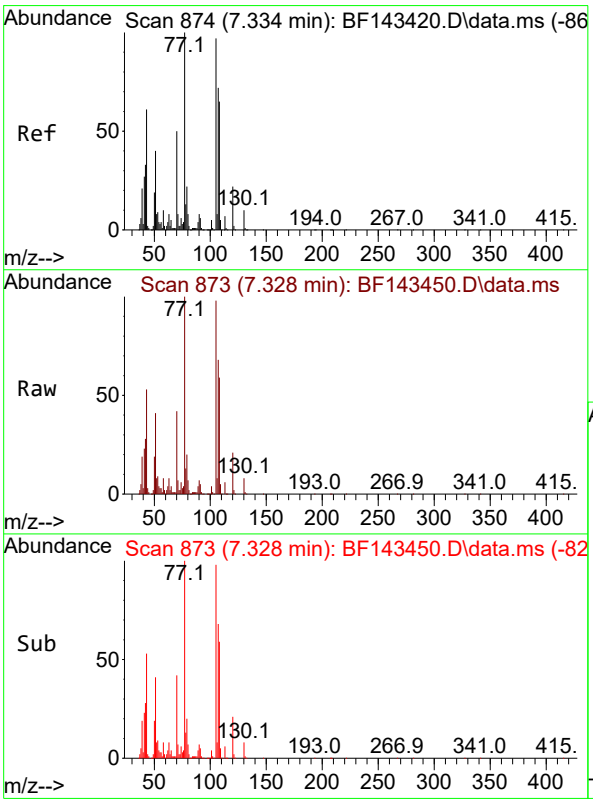
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:136 Resp: 459157

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	9.0	7.8	11.8
68	5.9	5.2	7.8

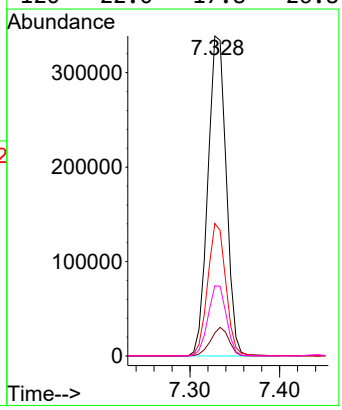


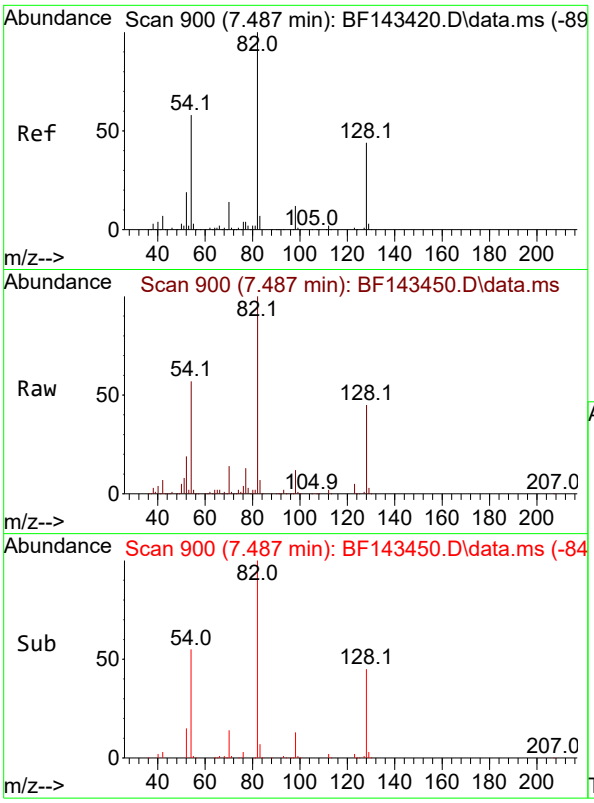


#22
Acetophenone
Concen: 48.762 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:105 Resp: 481389

Ion	Ratio	Lower	Upper
105	100		
71	7.2	7.0	10.4
51	41.4	32.7	49.1
120	22.0	17.8	26.8



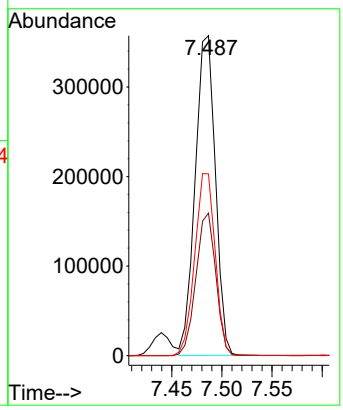


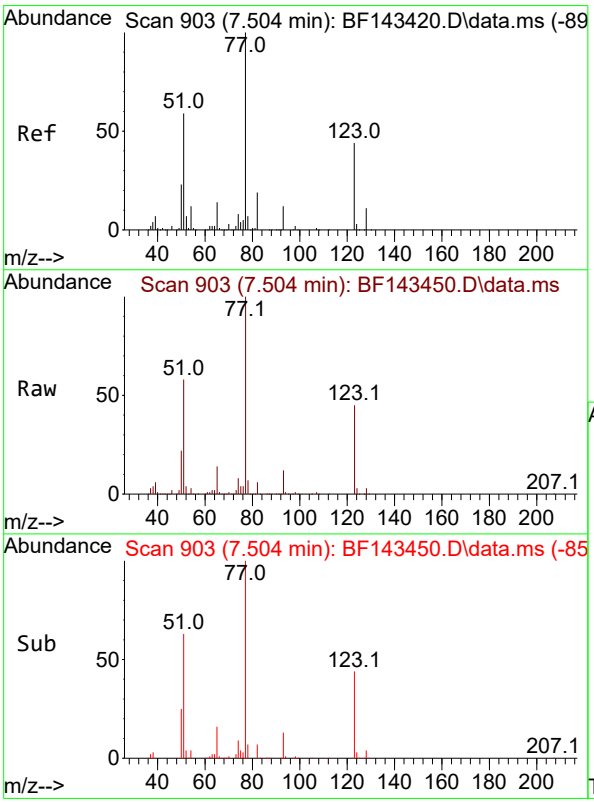
#23
Nitrobenzene-d5
Concen: 64.889 ng
RT: 7.487 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion: 82 Resp: 502103

Ion	Ratio	Lower	Upper
82	100		
128	44.6	34.6	52.0
54	56.8	46.0	69.0

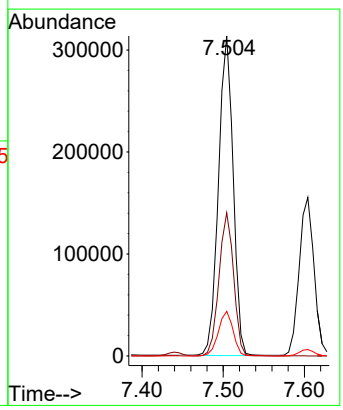


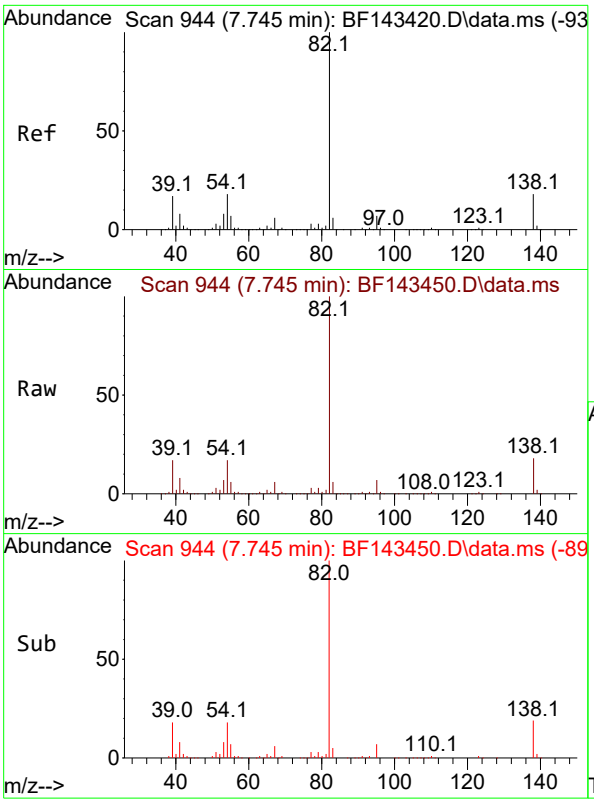


#24
Nitrobenzene
Concen: 48.899 ng
RT: 7.504 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion: 77 Resp: 395462

Ion	Ratio	Lower	Upper
77	100		
123	44.8	35.4	53.0
65	13.9	11.2	16.8



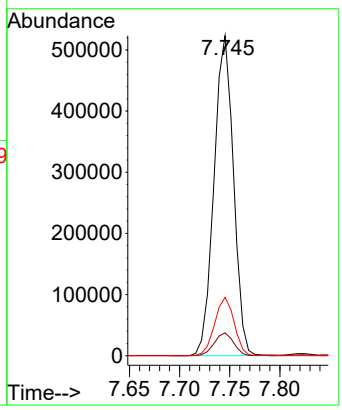


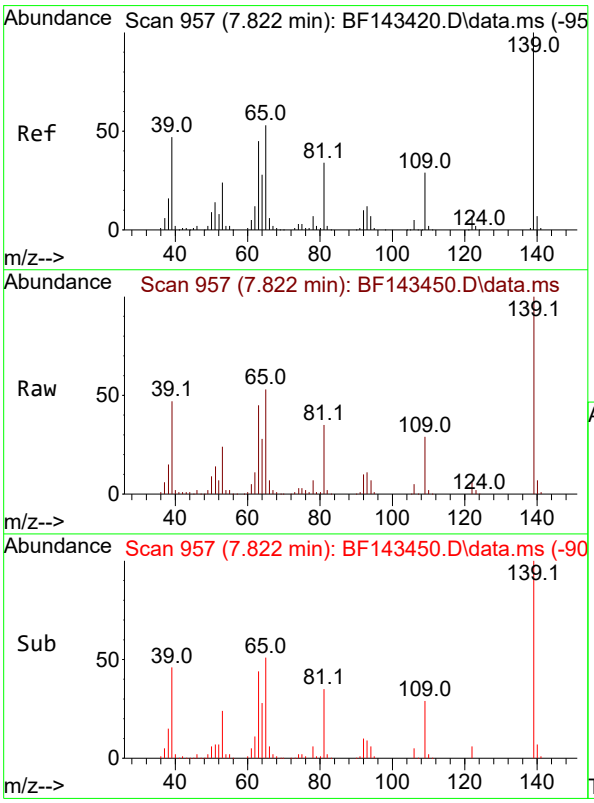
#25
Isophorone
Concen: 47.745 ng
RT: 7.745 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion: 82 Resp: 707087

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.6	8.4
138	18.3	14.3	21.5

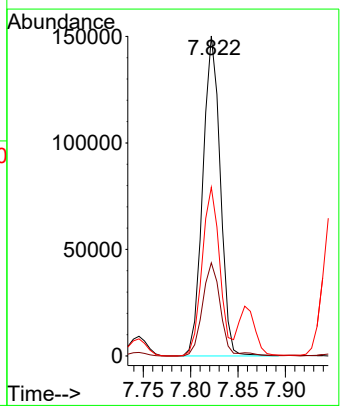


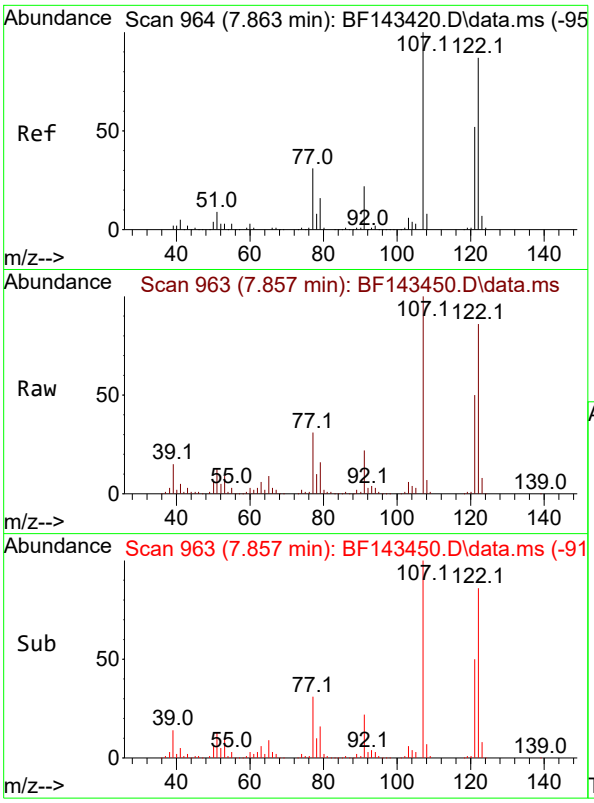


#26
2-Nitrophenol
Concen: 51.315 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:139 Resp: 192385

Ion	Ratio	Lower	Upper
139	100		
109	29.1	23.0	34.4
65	52.7	42.5	63.7



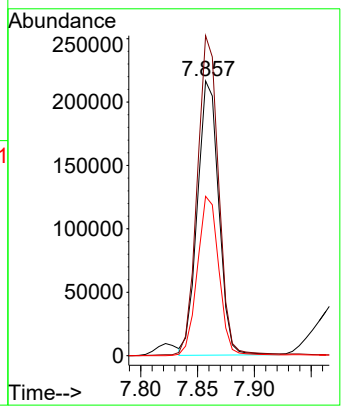


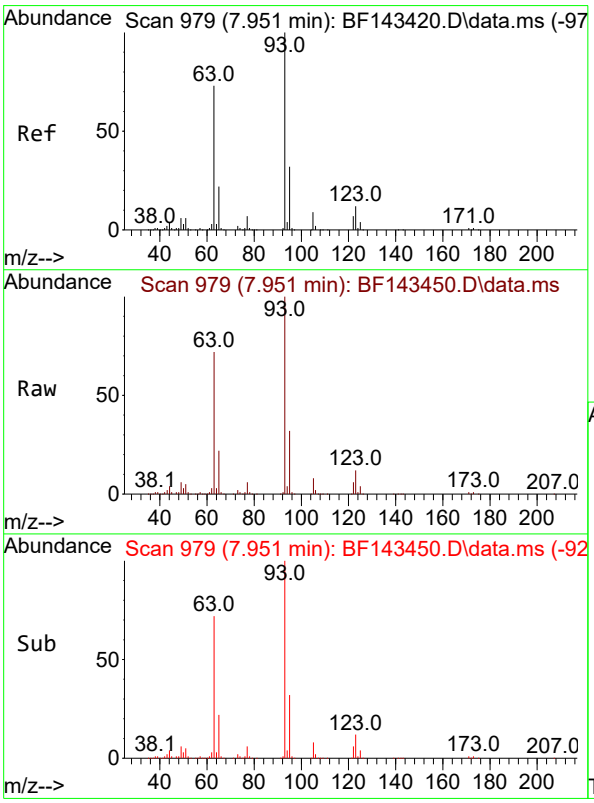
#27
2,4-Dimethylphenol
Concen: 44.505 ng
RT: 7.857 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:122 Resp: 282110

Ion	Ratio	Lower	Upper
122	100		
107	116.5	90.4	135.6
121	58.0	46.7	70.1

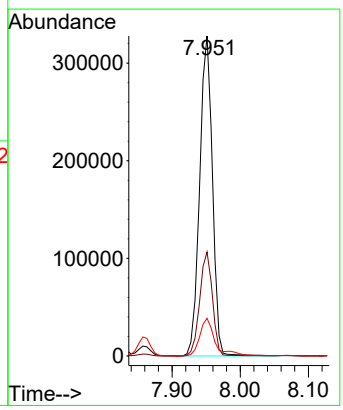


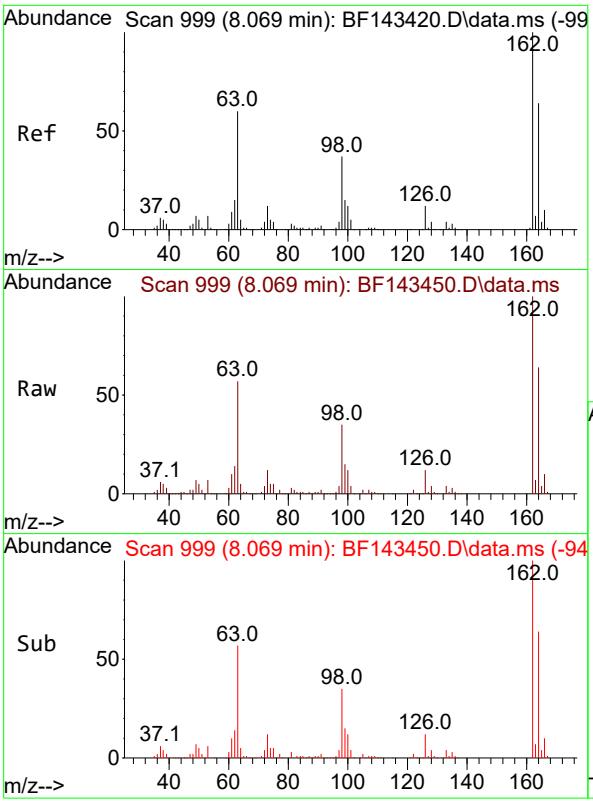


#28
bis(2-Chloroethoxy)methane
Concen: 46.936 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion: 93 Resp: 427250

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.0	39.0
123	11.8	9.5	14.3



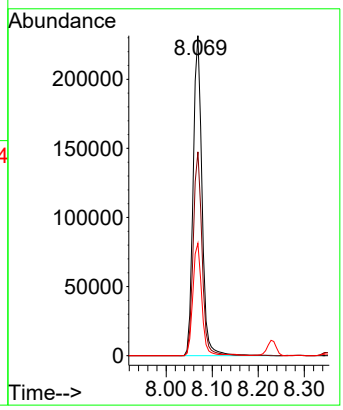


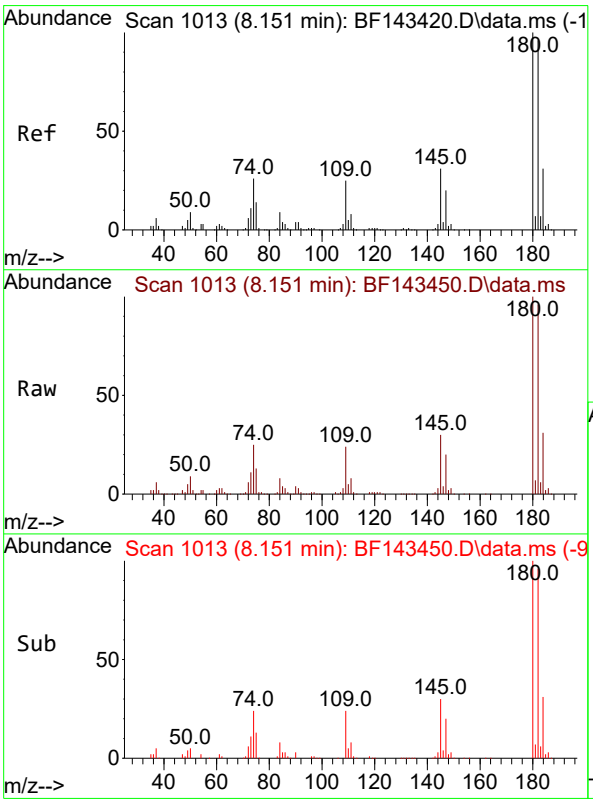
#29
2,4-Dichlorophenol
Concen: 47.631 ng
RT: 8.069 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:162 Resp: 307783

Ion	Ratio	Lower	Upper
162	100		
164	63.7	44.3	84.3
98	35.1	16.9	56.9

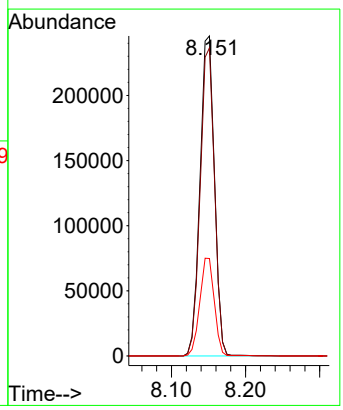


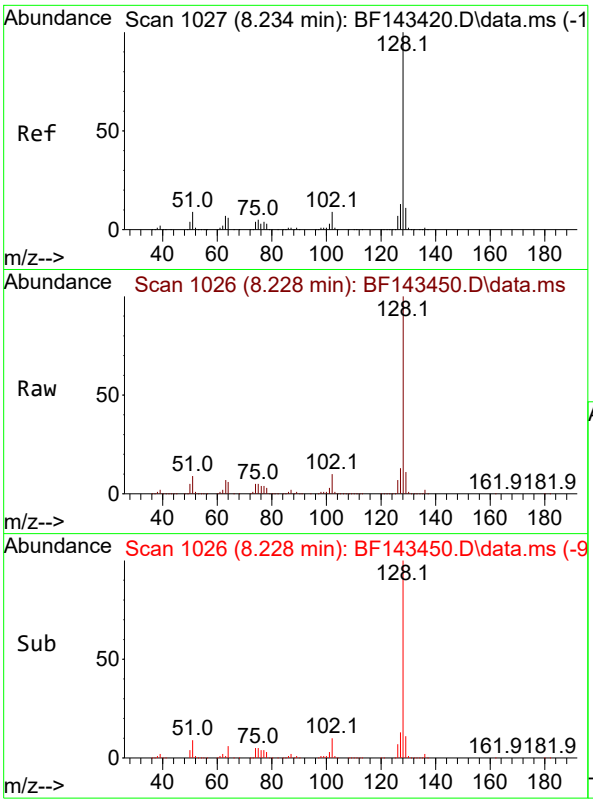


#30
1,2,4-Trichlorobenzene
Concen: 50.280 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:180 Resp: 332900

Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.7	115.1
145	30.4	24.5	36.7



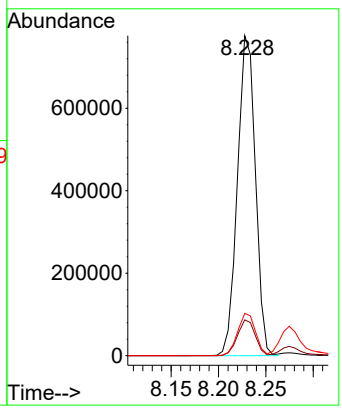


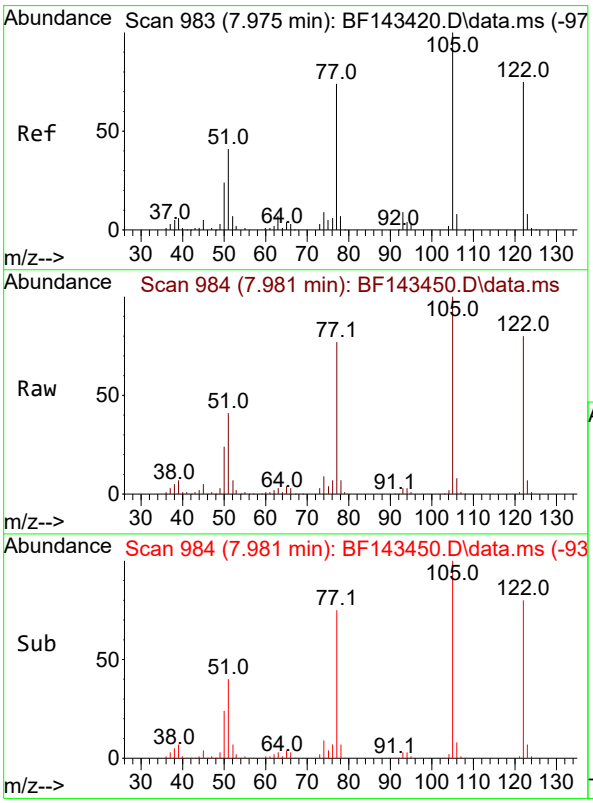
#31
Naphthalene
Concen: 46.936 ng
RT: 8.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:128 Resp: 1023139

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.2	10.6	16.0

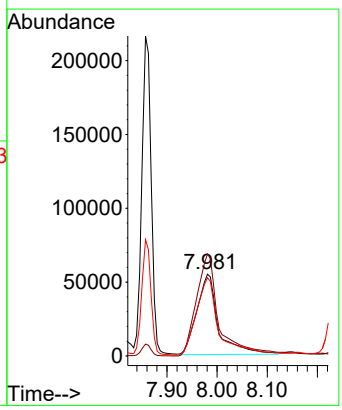


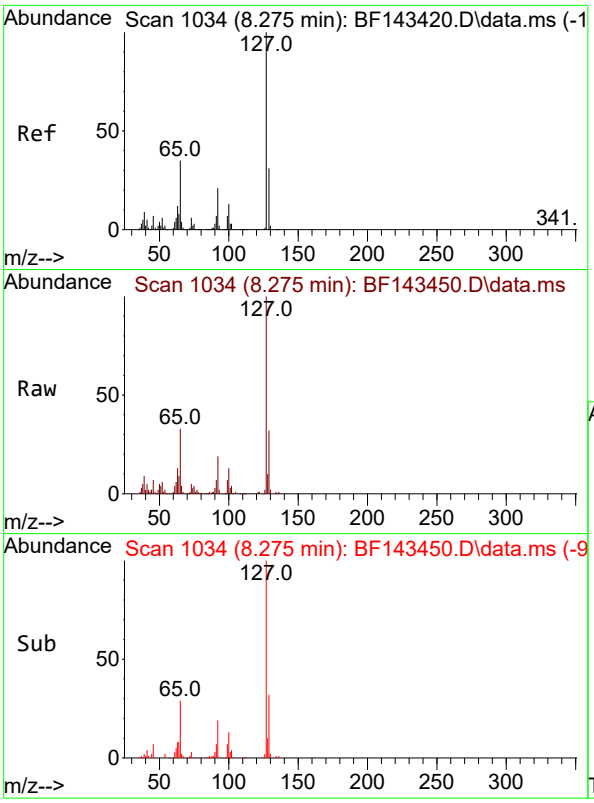


#32
Benzoic acid
Concen: 49.729 ng
RT: 7.981 min Scan# 984
Delta R.T. 0.006 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:122 Resp: 163943

Ion	Ratio	Lower	Upper
122	100		
105	124.7	108.4	148.4
77	95.7	75.9	115.9



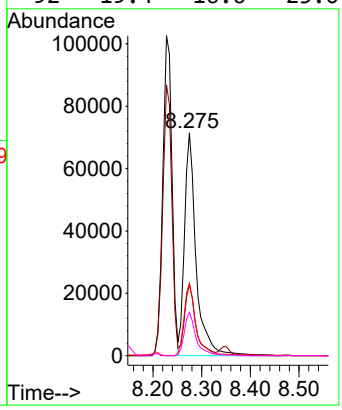


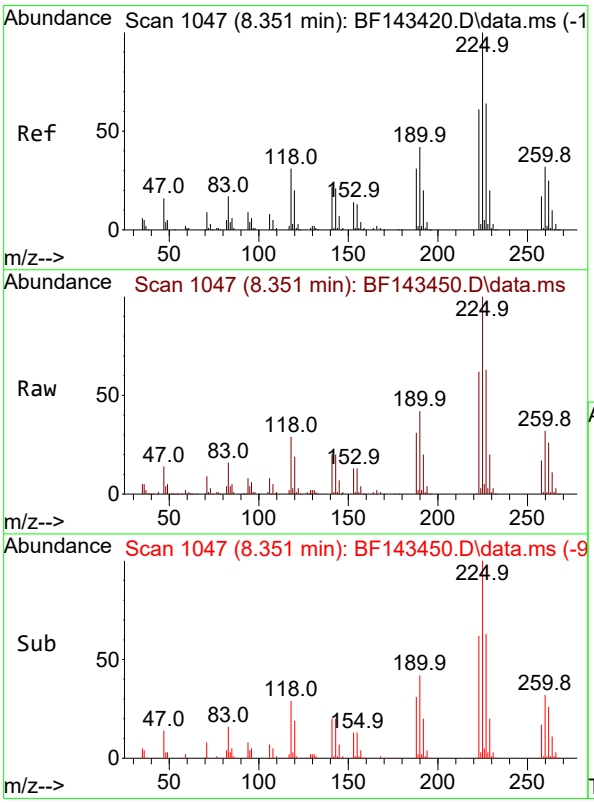
#33
4-Chloroaniline
Concen: 15.119 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:127 Resp: 118964

Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.8	38.8
65	32.5	27.2	40.8
92	19.4	16.6	25.0

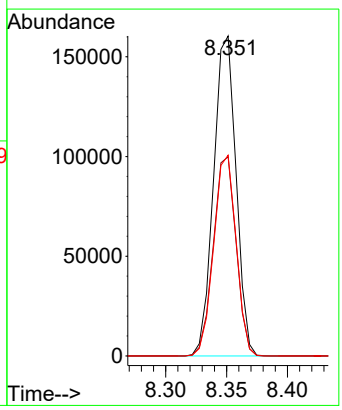


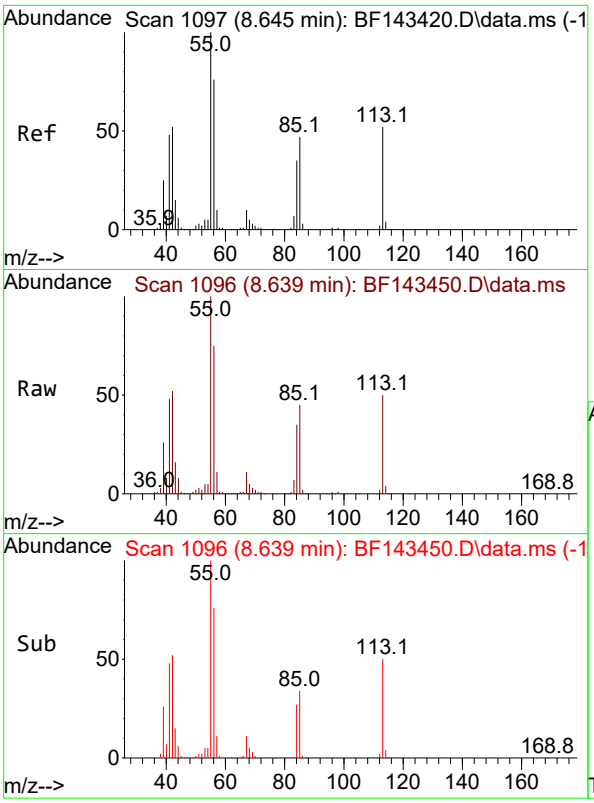


#34
Hexachlorobutadiene
Concen: 48.819 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:225 Resp: 206112

Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.0	73.6
227	62.7	51.1	76.7



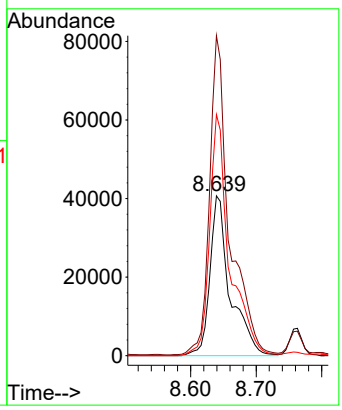


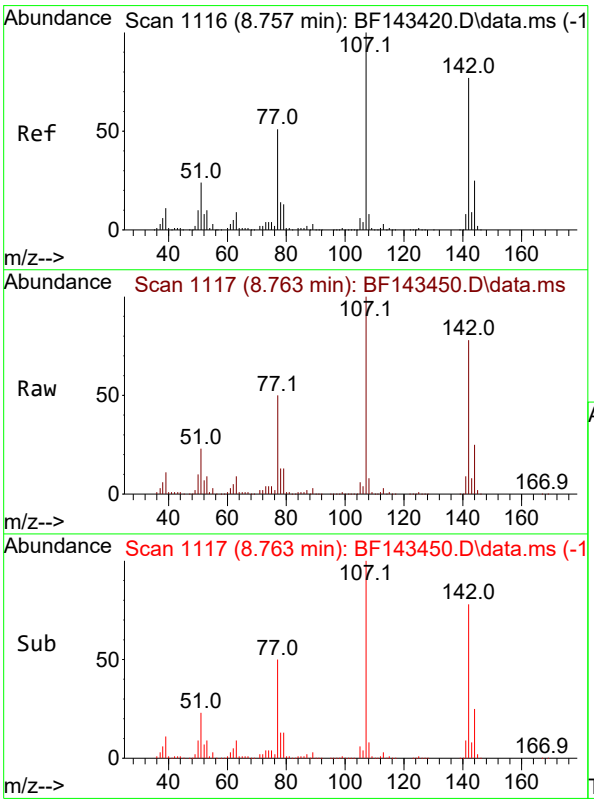
#35
Caprolactam
Concen: 47.027 ng
RT: 8.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:113 Resp: 87488

Ion	Ratio	Lower	Upper
113	100		
55	200.2	174.7	214.7
56	150.9	127.0	167.0

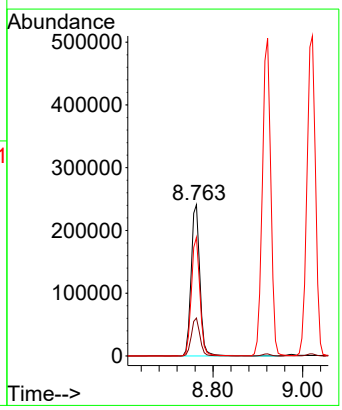


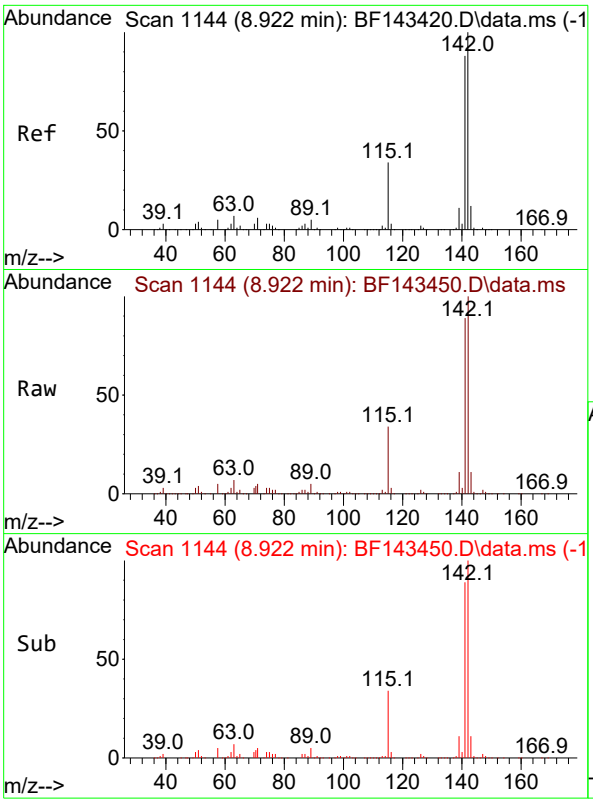


#36
4-Chloro-3-methylphenol
Concen: 48.973 ng
RT: 8.763 min Scan# 1117
Delta R.T. 0.006 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:107 Resp: 325920

Ion	Ratio	Lower	Upper
107	100		
144	25.1	20.2	30.2
142	78.5	62.0	93.0



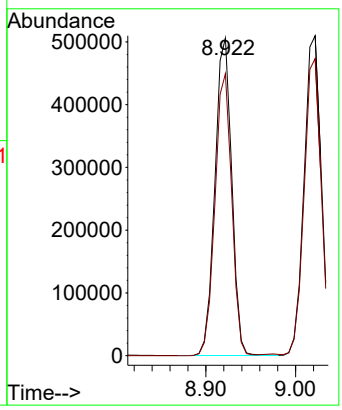


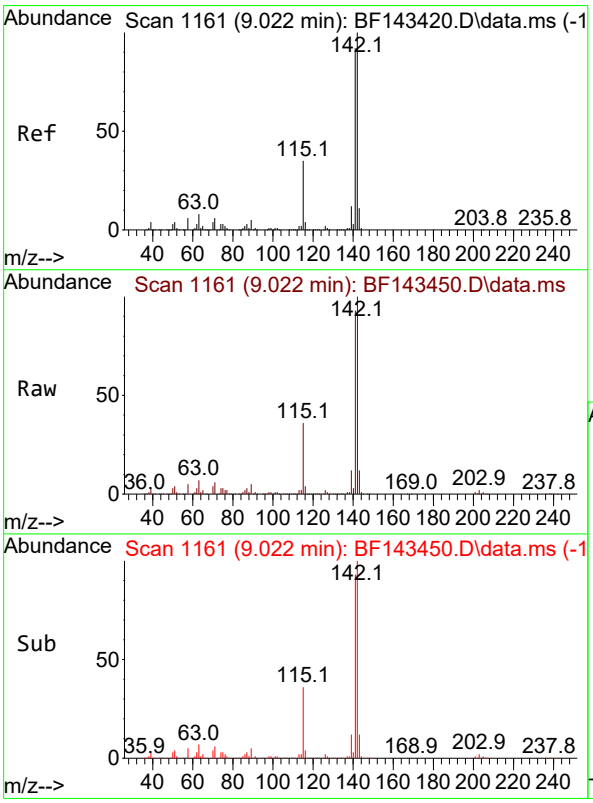
#37
2-Methylnaphthalene
Concen: 44.705 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:142 Resp: 656872

Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.3	105.5

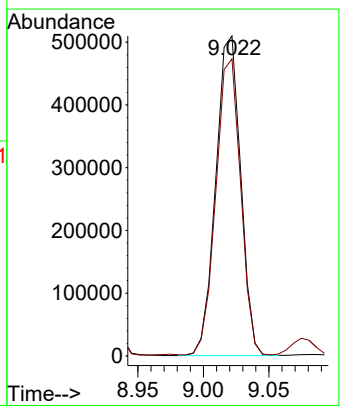


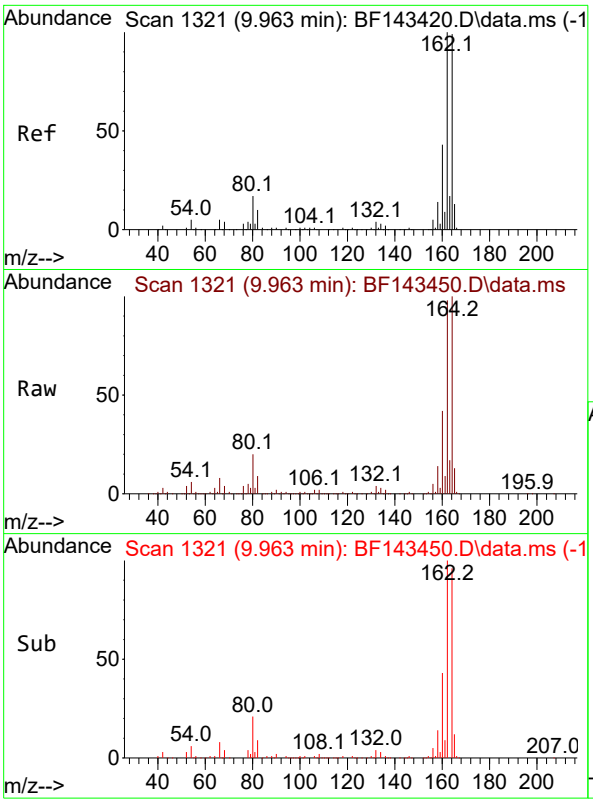


#38
1-Methylnaphthalene
Concen: 47.683 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:142 Resp: 671278

Ion	Ratio	Lower	Upper
142	100		
141	92.8	73.8	110.6



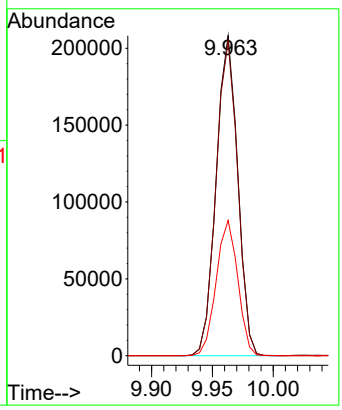


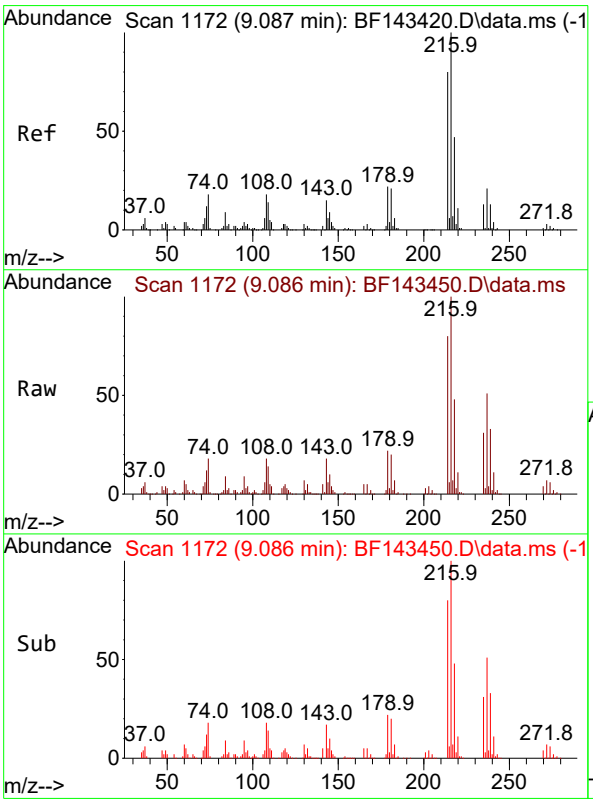
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:164 Resp: 257230

Ion	Ratio	Lower	Upper
164	100		
162	98.2	80.6	121.0
160	42.2	34.6	51.8

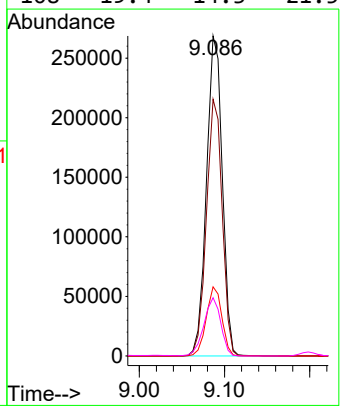


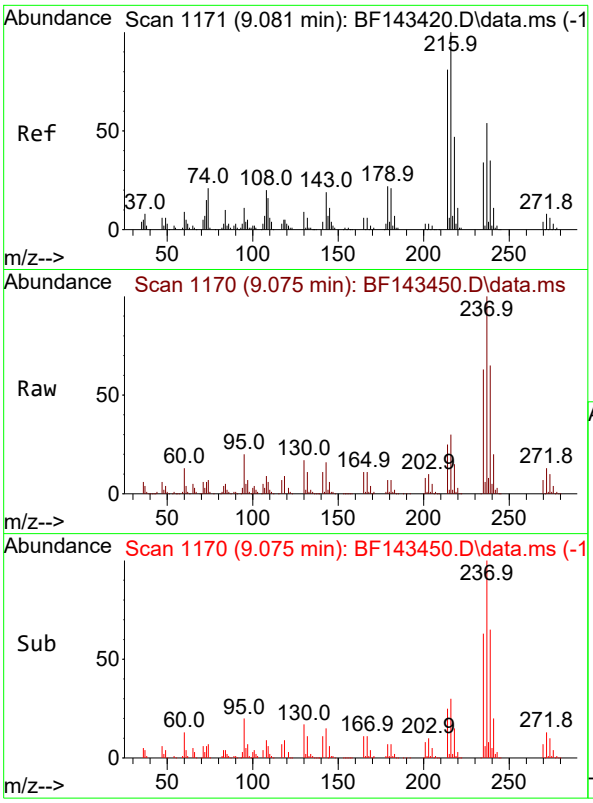


#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.206 ng
RT: 9.086 min Scan# 1172
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:216 Resp: 345821

Ion	Ratio	Lower	Upper
216	100		
214	80.1	63.7	95.5
179	21.3	17.0	25.4
108	19.4	14.3	21.5



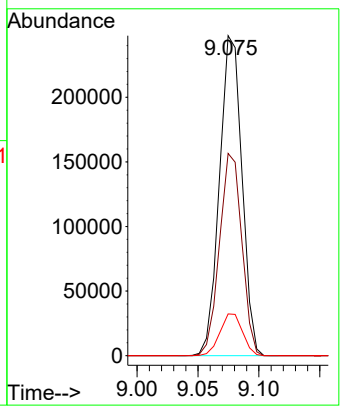


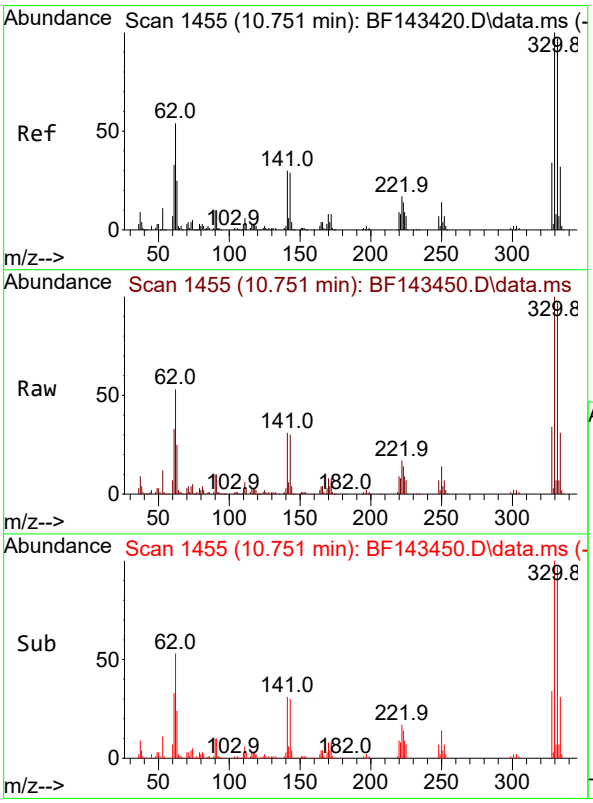
#41
Hexachlorocyclopentadiene
Concen: 118.207 ng
RT: 9.075 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:237 Resp: 318244

Ion	Ratio	Lower	Upper
237	100		
235	63.2	41.6	81.6
272	13.0	0.0	33.8

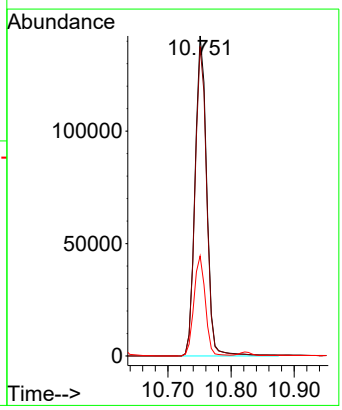


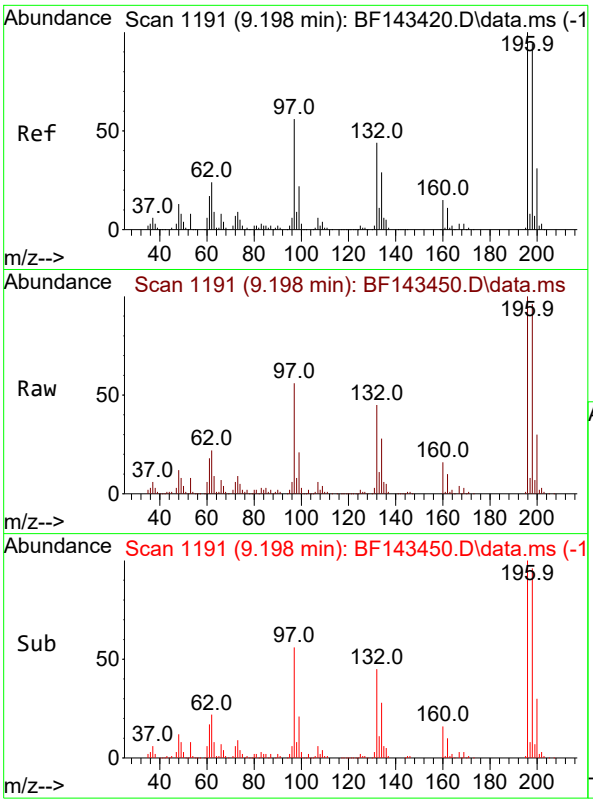


#42
2,4,6-Tribromophenol
Concen: 79.806 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:330 Resp: 182720

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.4	116.2
141	30.5	24.1	36.1



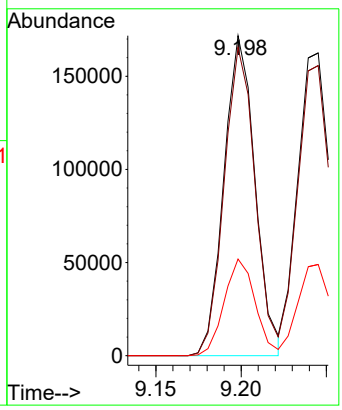


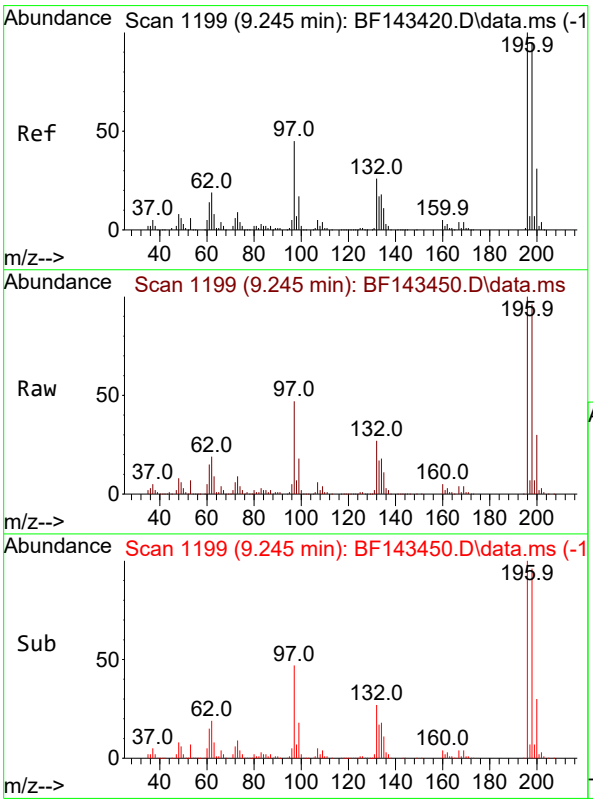
#43
2,4,6-Trichlorophenol
Concen: 48.720 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:196 Resp: 218023

Ion	Ratio	Lower	Upper
196	100		
198	96.3	75.4	113.2
200	30.2	24.7	37.1

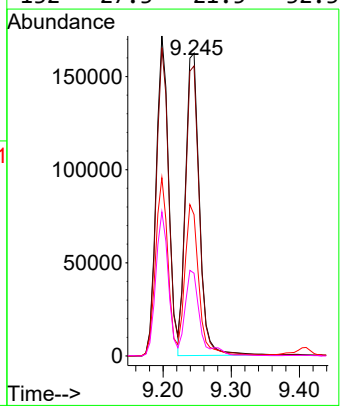


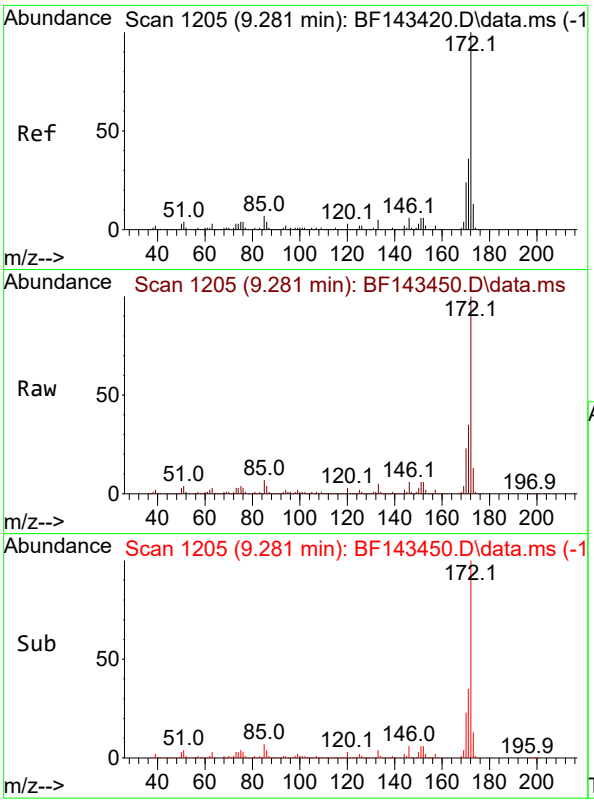


#44
2,4,5-Trichlorophenol
Concen: 47.703 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:196 Resp: 228826

Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.2	114.4
97	46.7	36.6	55.0
132	27.3	21.5	32.3



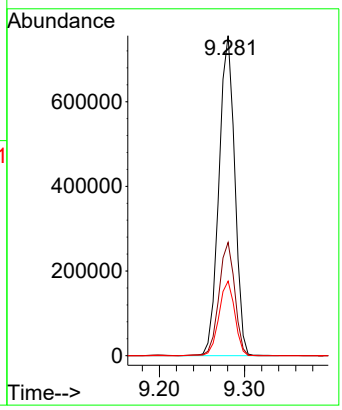


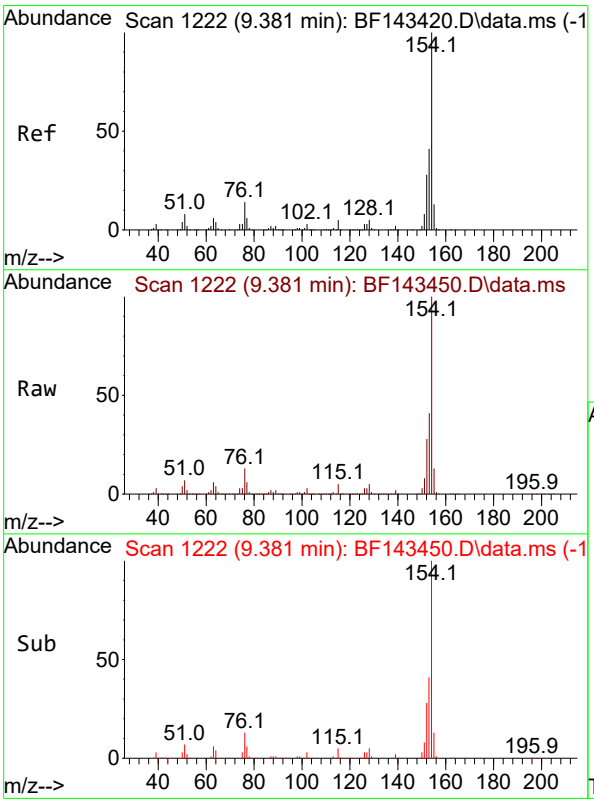
#45
2-Fluorobiphenyl
Concen: 63.691 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:172 Resp: 974033

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.7	43.1
170	23.3	19.0	28.6

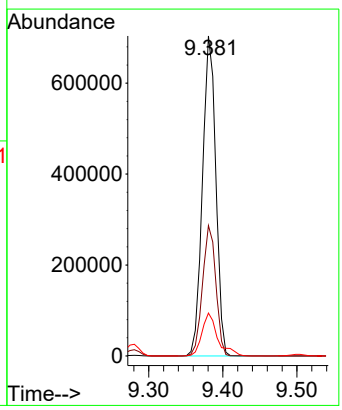


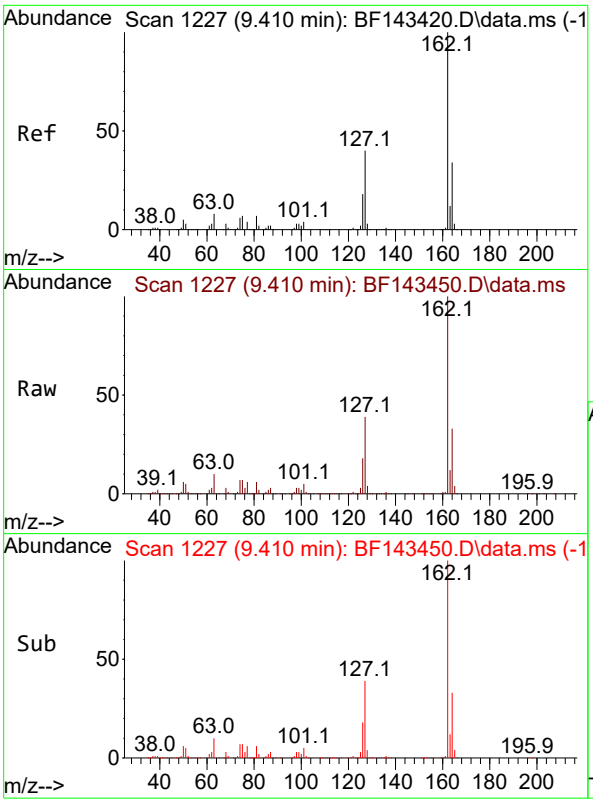


#46
1,1'-Biphenyl
Concen: 48.736 ng
RT: 9.381 min Scan# 1222
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:154 Resp: 880833

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.6	60.6
76	13.4	0.0	33.8



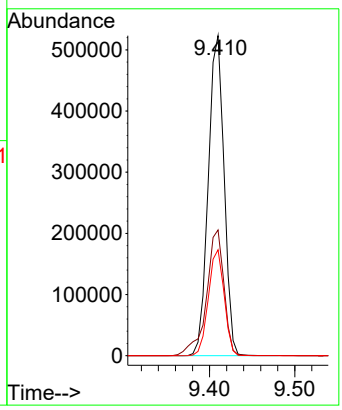


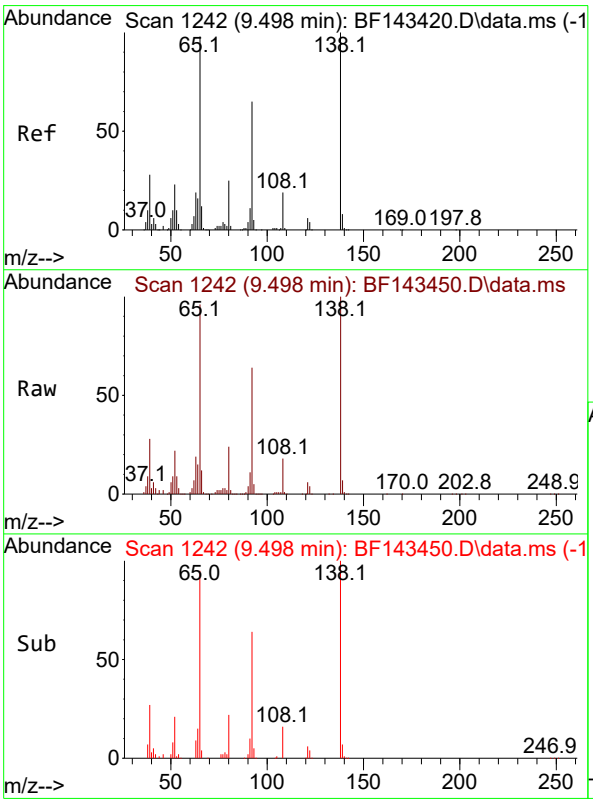
#47
2-Chloronaphthalene
Concen: 47.281 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:162 Resp: 674536

Ion	Ratio	Lower	Upper
162	100		
127	39.3	32.3	48.5
164	33.1	26.9	40.3

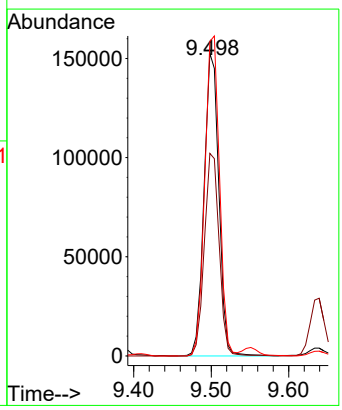


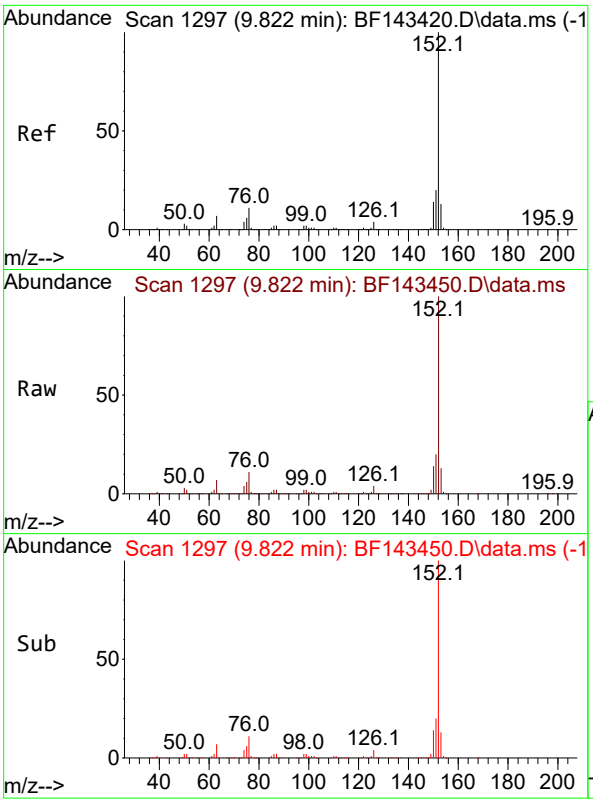


#48
2-Nitroaniline
Concen: 47.459 ng
RT: 9.498 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion: 65 Resp: 201491

Ion	Ratio	Lower	Upper
65	100		
92	66.9	52.9	79.3
138	103.9	81.3	121.9



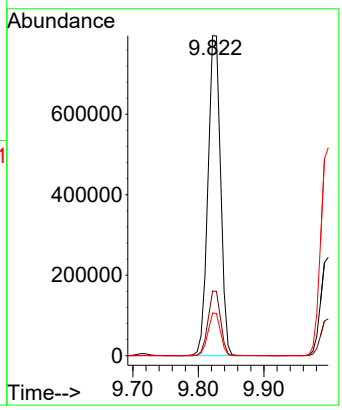


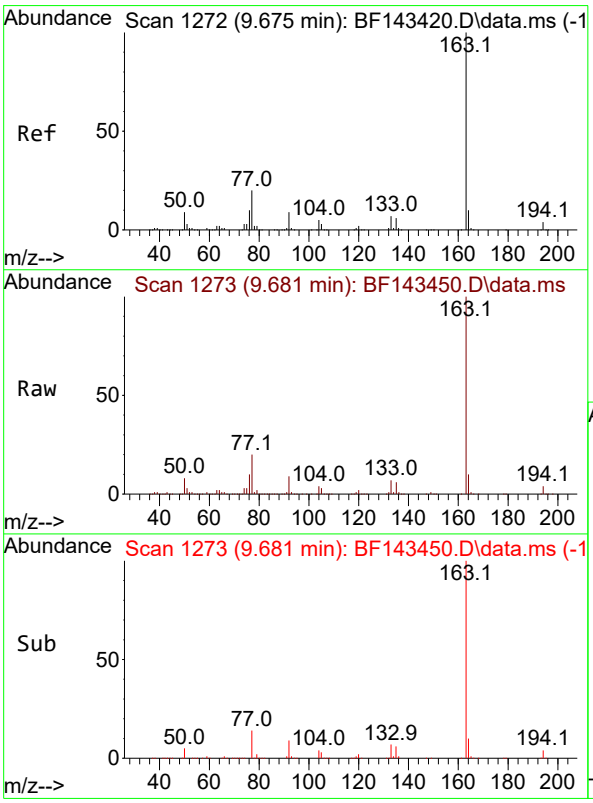
#49
Acenaphthylene
Concen: 51.697 ng
RT: 9.822 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:152 Resp: 1064862

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.0	24.0
153	13.4	10.8	16.2

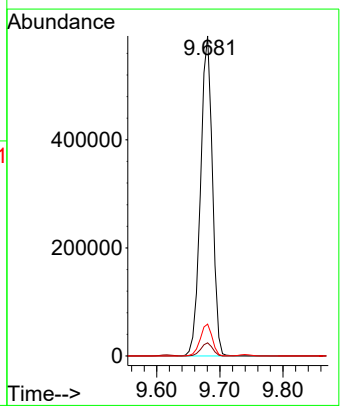


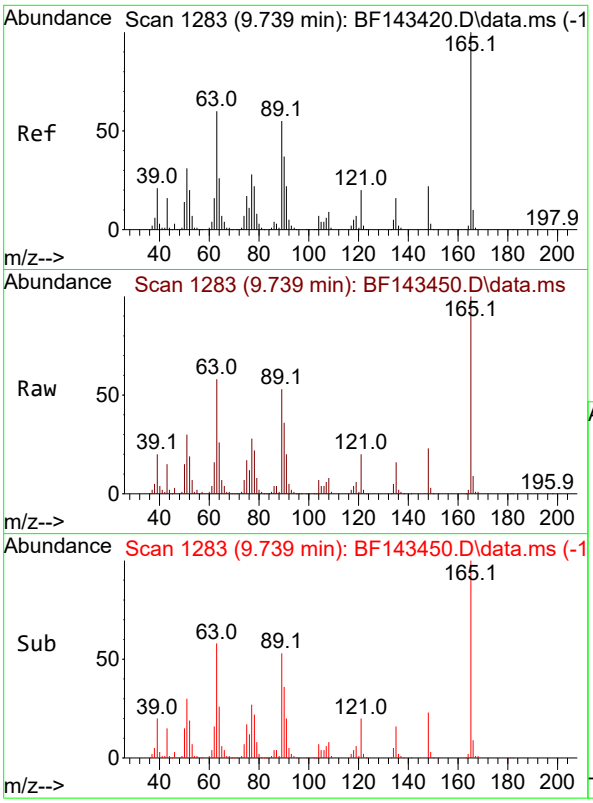


#50
Dimethylphthalate
Concen: 48.516 ng
RT: 9.681 min Scan# 1273
Delta R.T. 0.006 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:163 Resp: 778054

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	9.9	8.2	12.4



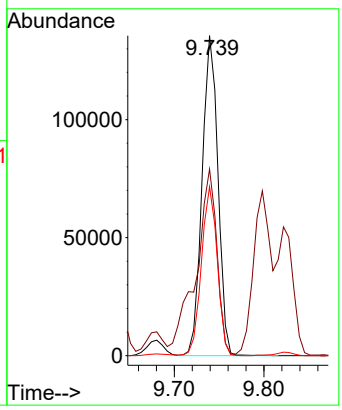


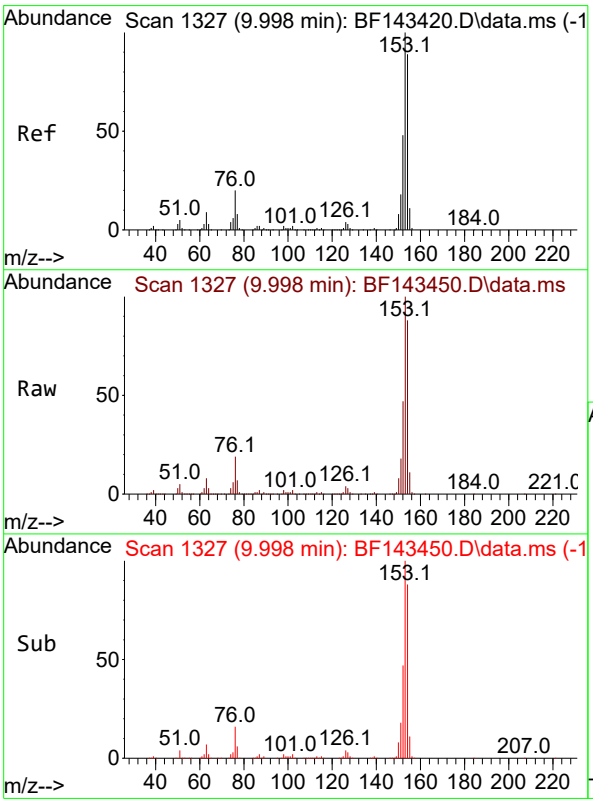
#51
2,6-Dinitrotoluene
Concen: 52.590 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:165 Resp: 166259

Ion	Ratio	Lower	Upper
165	100		
63	58.3	48.2	72.2
89	52.8	44.2	66.2

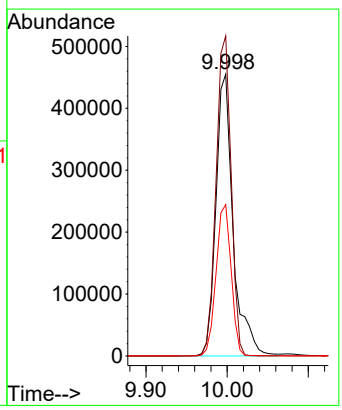


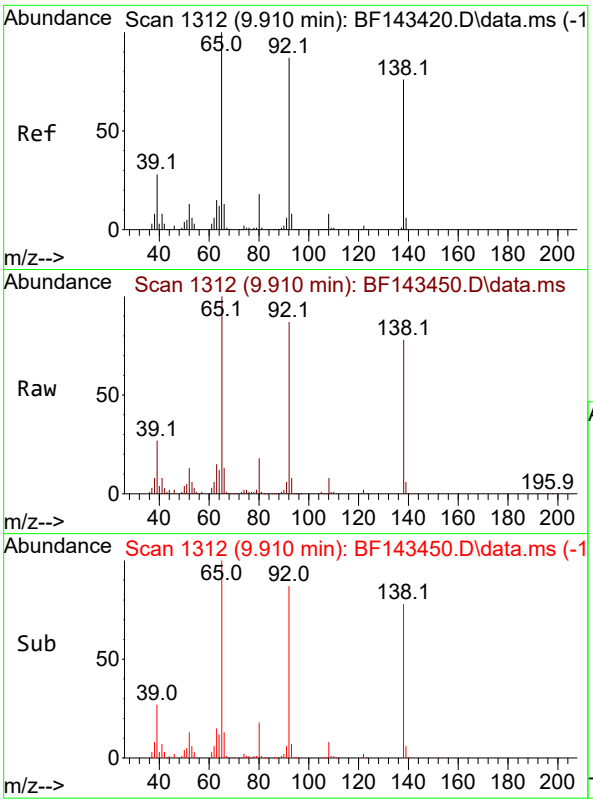


#52
Acenaphthene
Concen: 48.585 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:154 Resp: 673086

Ion	Ratio	Lower	Upper
154	100		
153	113.6	89.5	134.3
152	53.7	42.6	64.0



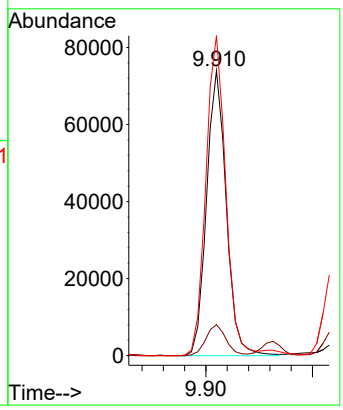


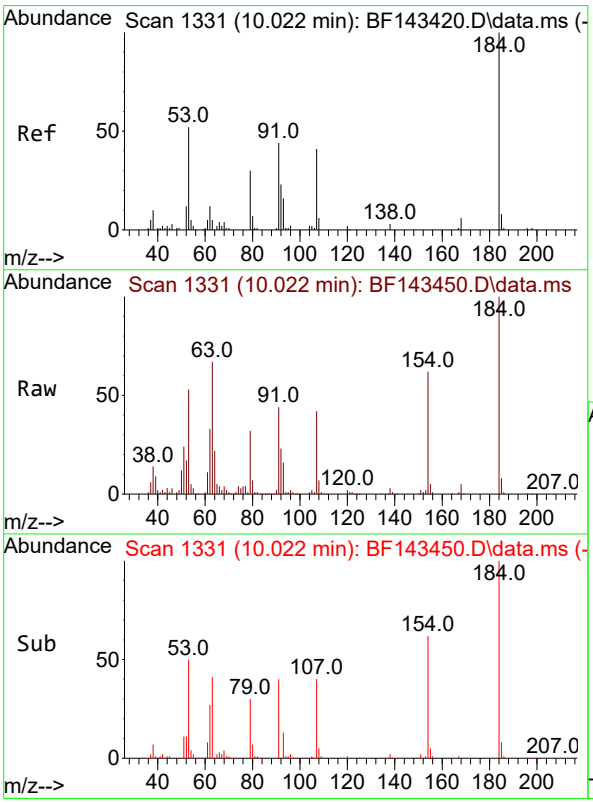
#53
3-Nitroaniline
Concen: 27.070 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:138 Resp: 95330

Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.7	13.1
92	112.3	91.4	137.2

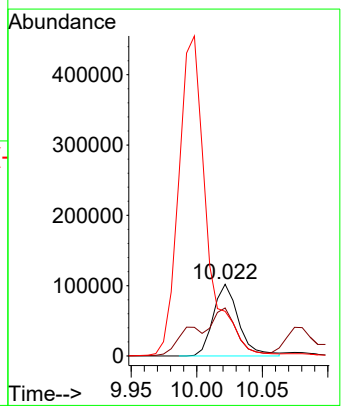


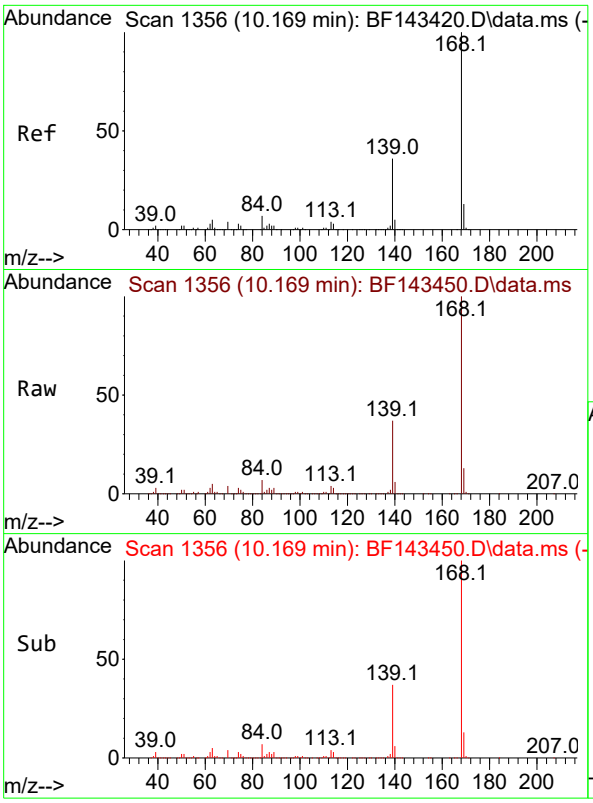


#54
2,4-Dinitrophenol
Concen: 92.733 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:184 Resp: 137749

Ion	Ratio	Lower	Upper
184	100		
63	67.0	53.2	79.8
154	62.4	51.3	76.9



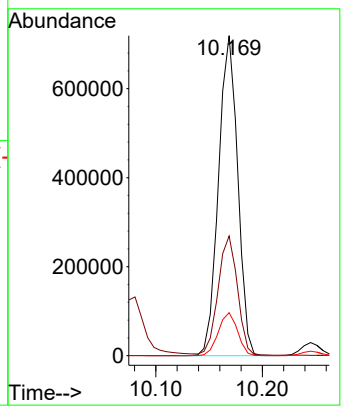


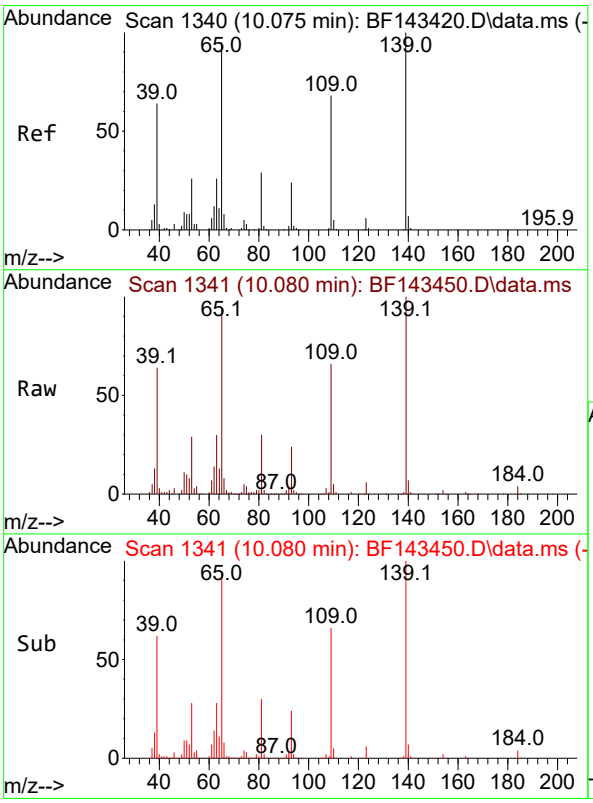
#55
Dibenzofuran
Concen: 44.908 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:168 Resp: 897495

Ion	Ratio	Lower	Upper
168	100		
139	37.4	29.3	43.9
169	13.4	10.8	16.2

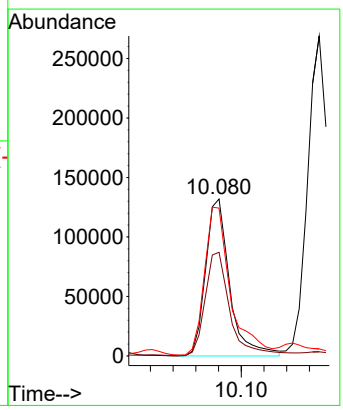


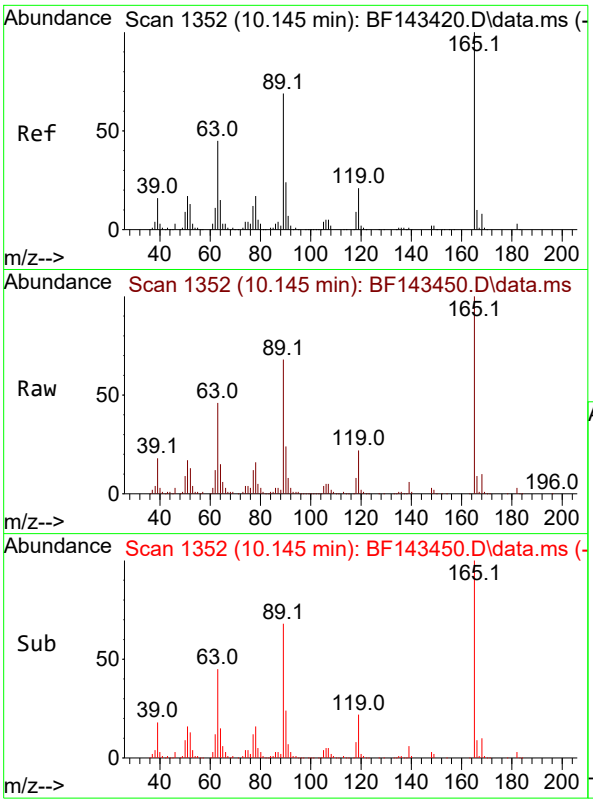


#56
4-Nitrophenol
Concen: 87.625 ng
RT: 10.080 min Scan# 1341
Delta R.T. 0.006 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:139 Resp: 194002

Ion	Ratio	Lower	Upper
139	100		
109	66.0	47.7	87.7
65	94.1	76.4	116.4



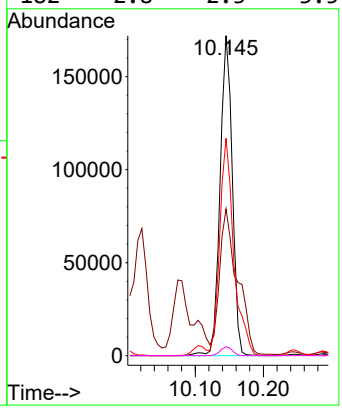


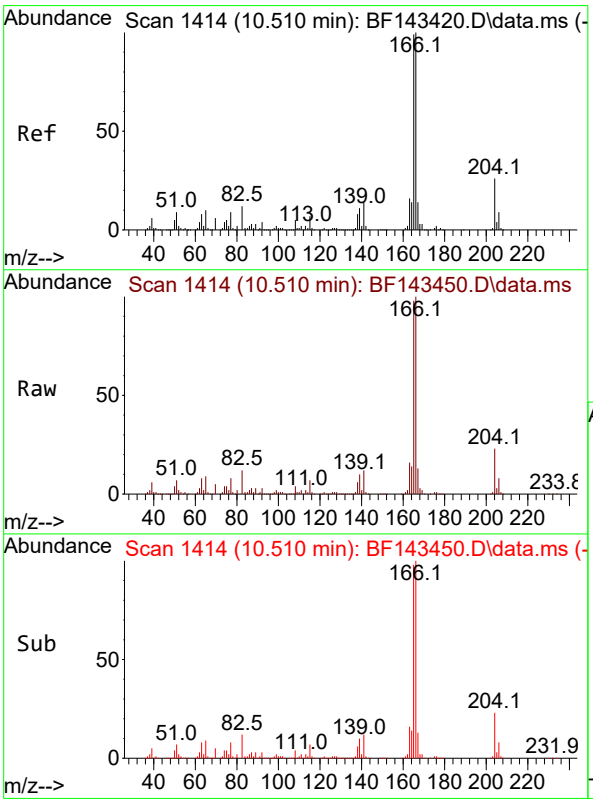
#57
2,4-Dinitrotoluene
Concen: 50.776 ng
RT: 10.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:165 Resp: 214017

Ion	Ratio	Lower	Upper
165	100		
63	45.9	37.0	55.6
89	67.9	55.4	83.0
182	2.8	2.3	3.5

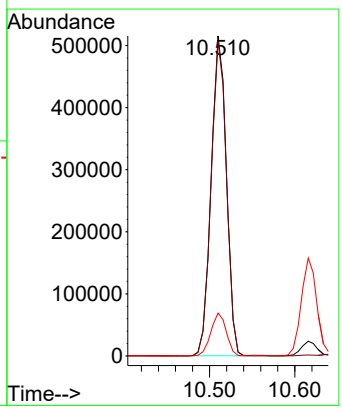


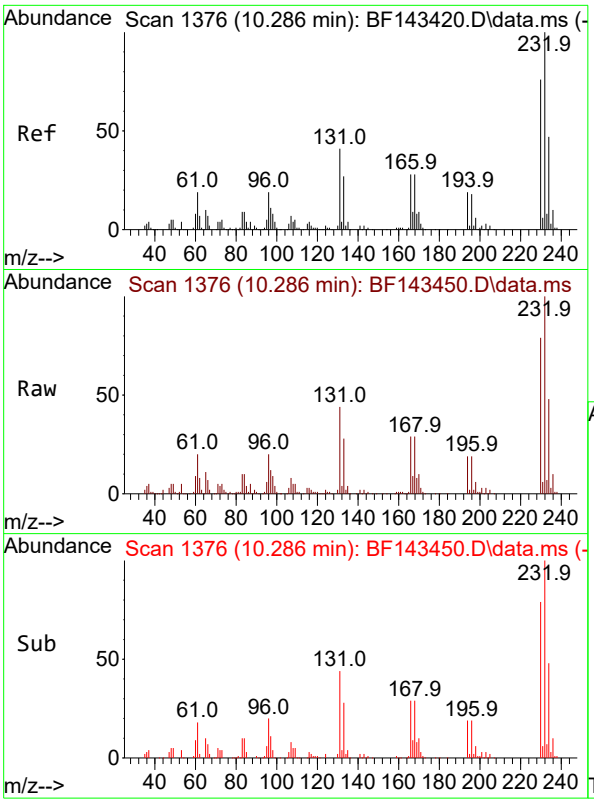


#58
Fluorene
Concen: 41.848 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:166 Resp: 642506

Ion	Ratio	Lower	Upper
166	100		
165	98.3	79.0	118.6
167	13.4	10.9	16.3



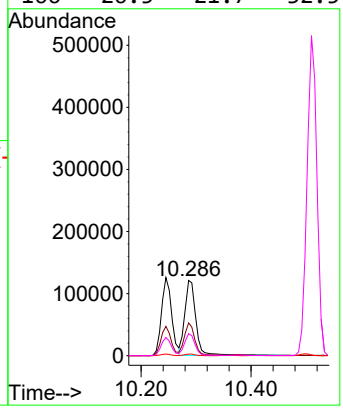


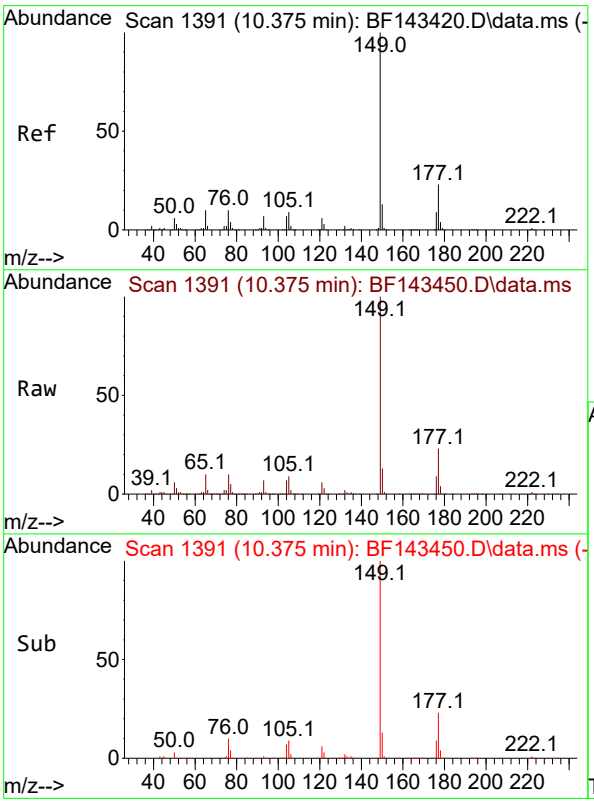
#59
2,3,4,6-Tetrachlorophenol
Concen: 46.662 ng
RT: 10.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:232 Resp: 169437

Ion	Ratio	Lower	Upper
232	100		
131	41.2	32.0	48.0
130	2.1	1.7	2.5
166	26.5	21.7	32.5

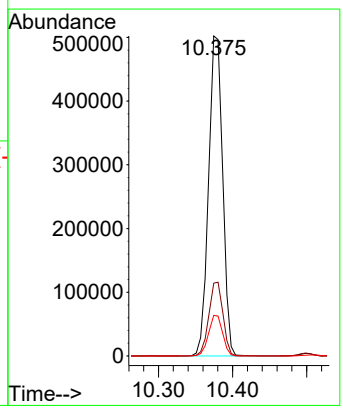


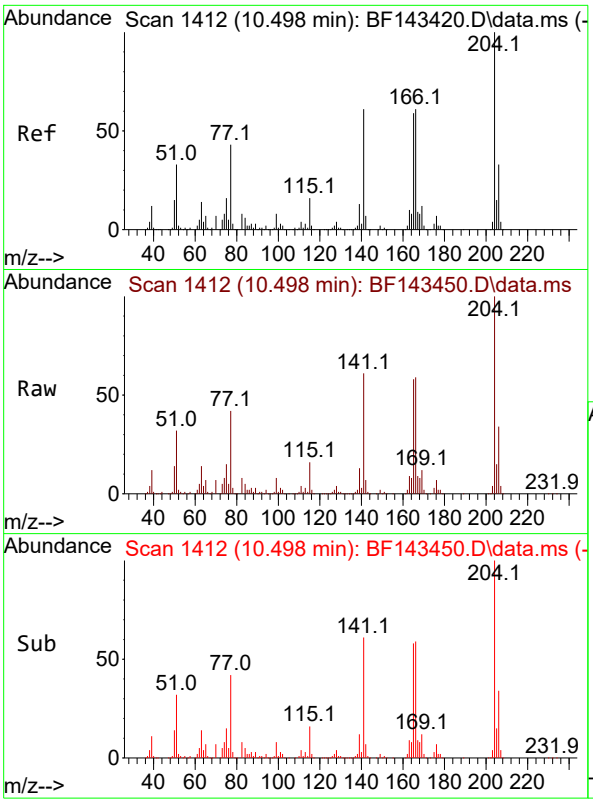


#60
Diethylphthalate
Concen: 44.860 ng
RT: 10.375 min Scan# 1391
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:149 Resp: 664812

Ion	Ratio	Lower	Upper
149	100		
177	22.8	18.2	27.4
150	12.7	10.1	15.1



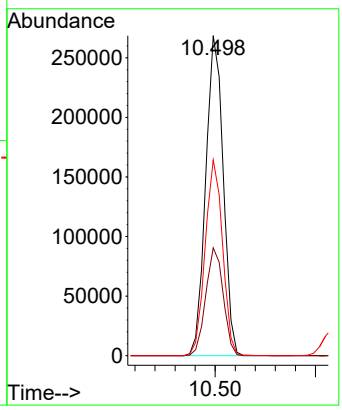


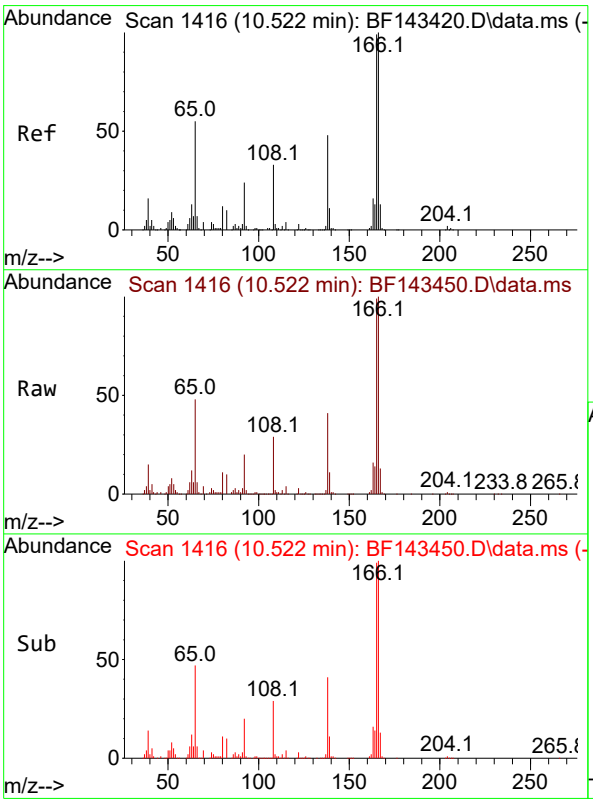
#61
4-Chlorophenyl-phenylether
Concen: 43.043 ng
RT: 10.498 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:204 Resp: 326731

Ion	Ratio	Lower	Upper
204	100		
206	33.7	26.5	39.7
141	61.2	49.0	73.4

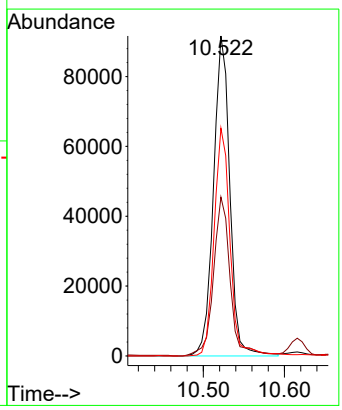


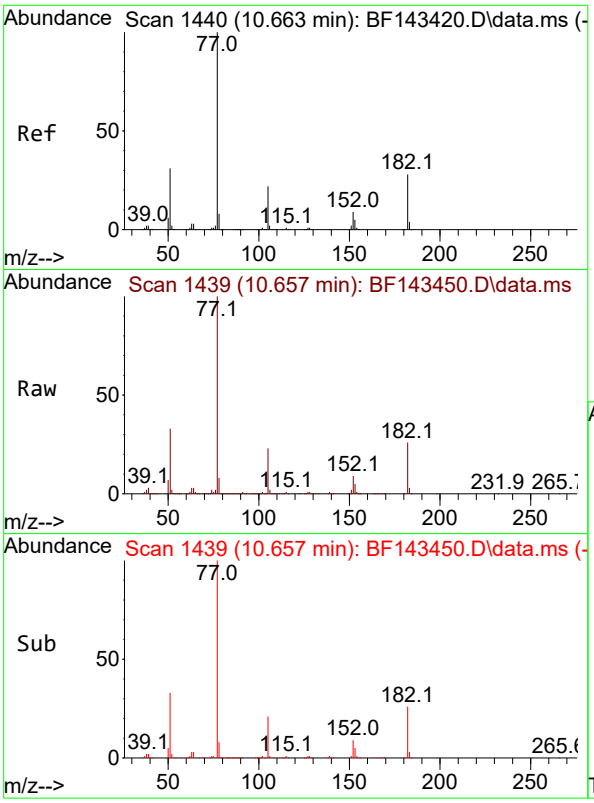


#62
4-Nitroaniline
Concen: 39.021 ng
RT: 10.522 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:138 Resp: 128513

Ion	Ratio	Lower	Upper
138	100		
92	49.6	29.4	69.4
108	71.2	48.6	88.6



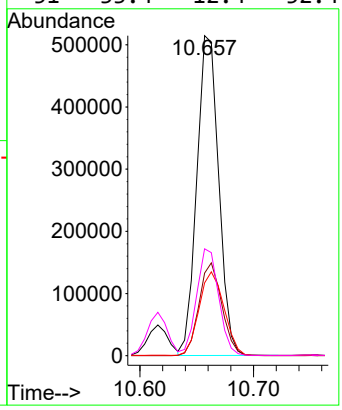


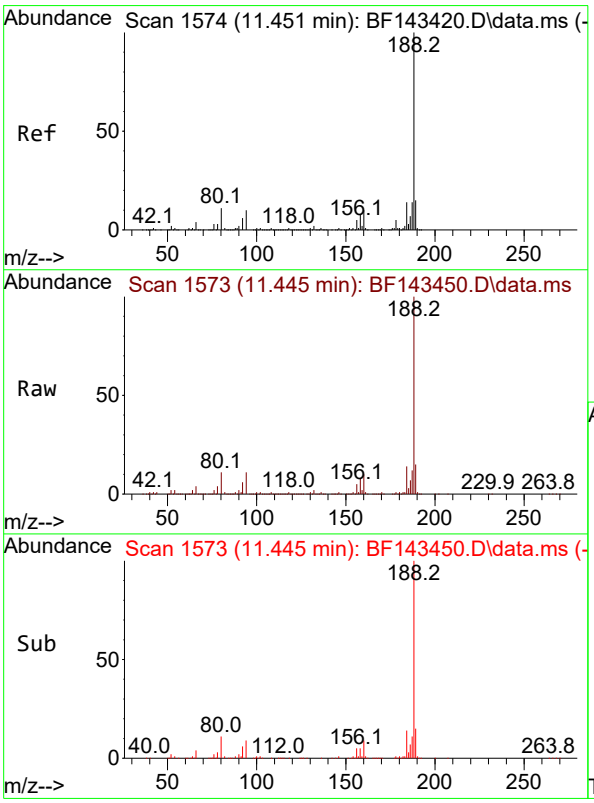
#63
Azobenzene
Concen: 46.034 ng
RT: 10.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion: 77 Resp: 689523

Ion	Ratio	Lower	Upper
77	100		
182	25.8	7.4	47.4
105	22.8	1.7	41.7
51	33.4	12.4	52.4

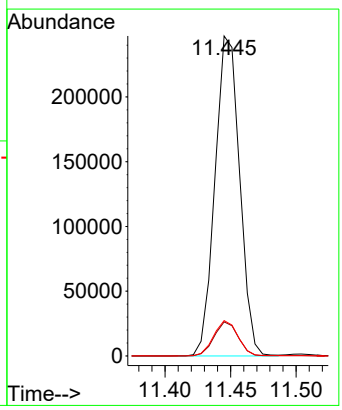


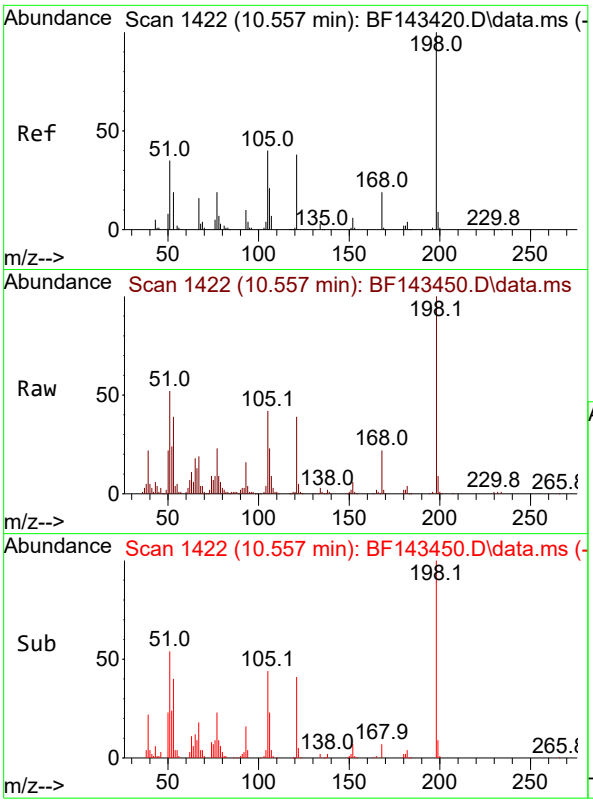


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:188 Resp: 322762

Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.0	12.0
80	11.1	8.6	12.8



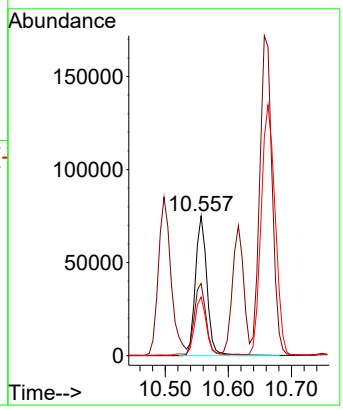


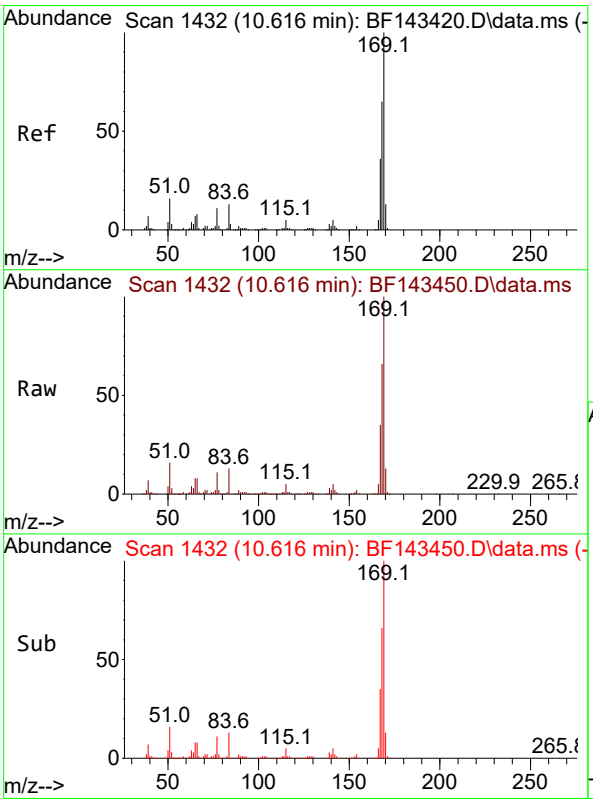
#65
4,6-Dinitro-2-methylphenol
Concen: 57.486 ng
RT: 10.557 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:198 Resp: 95734

Ion	Ratio	Lower	Upper
198	100		
51	51.7	31.2	71.2
105	42.0	21.7	61.7

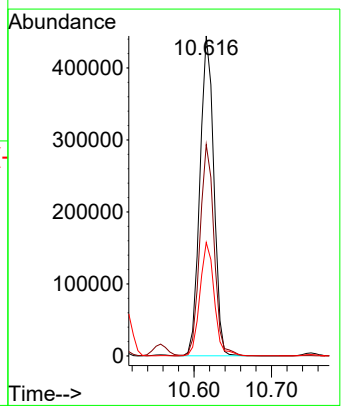


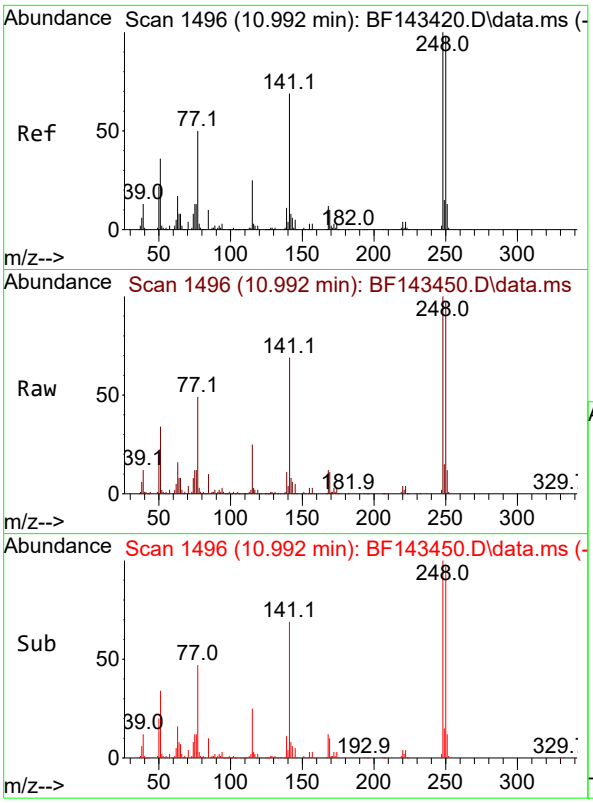


#66
n-Nitrosodiphenylamine
Concen: 52.656 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:169 Resp: 552606

Ion	Ratio	Lower	Upper
169	100		
168	66.0	52.5	78.7
167	35.5	28.6	42.8



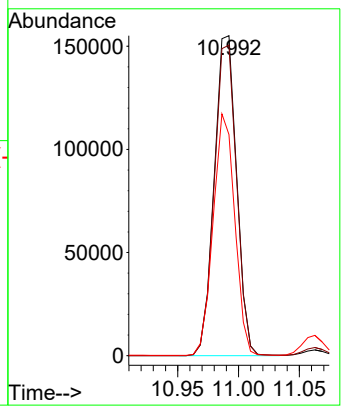


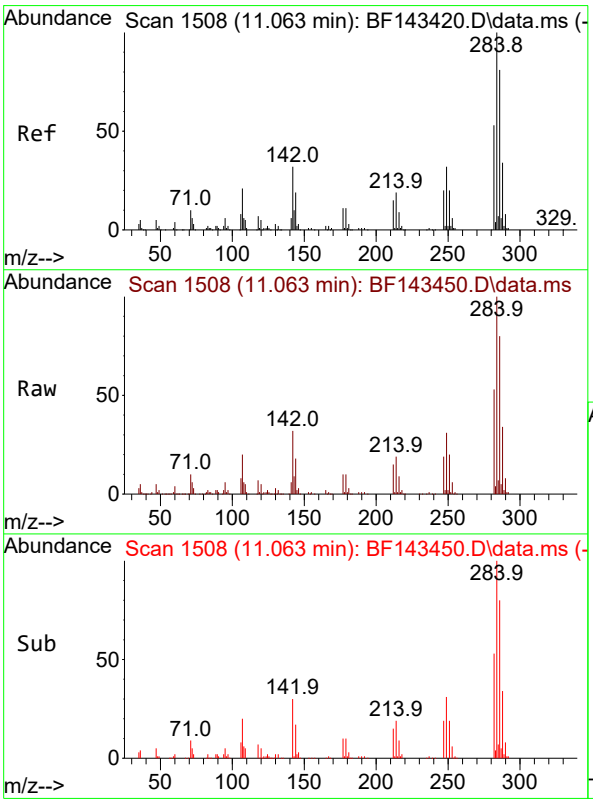
#67
4-Bromophenyl-phenylether
Concen: 52.207 ng
RT: 10.992 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:248 Resp: 198982

Ion	Ratio	Lower	Upper
248	100		
250	97.0	78.6	118.0
141	69.1	54.9	82.3

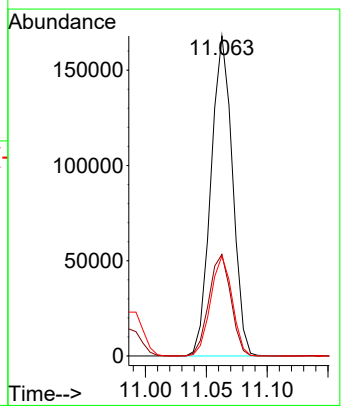


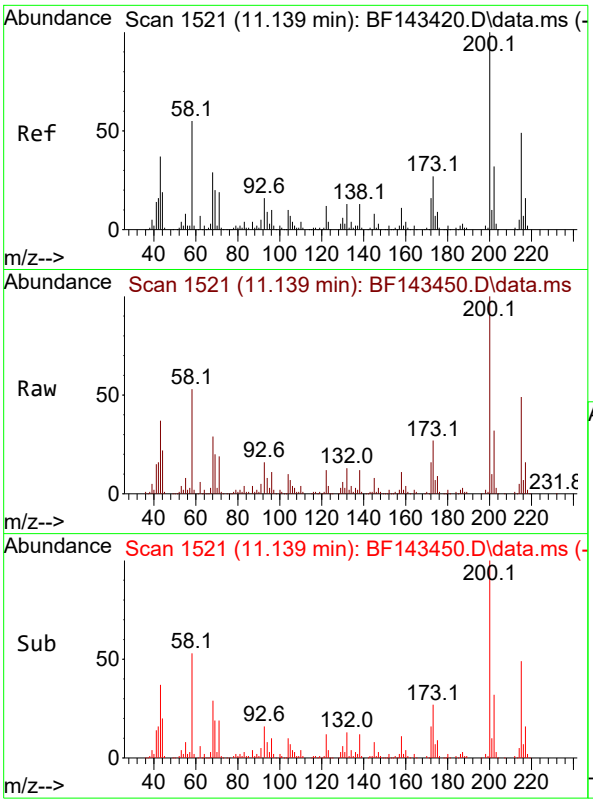


#68
Hexachlorobenzene
Concen: 50.996 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:284 Resp: 206631

Ion	Ratio	Lower	Upper
284	100		
142	31.8	25.4	38.2
249	31.2	25.4	38.0



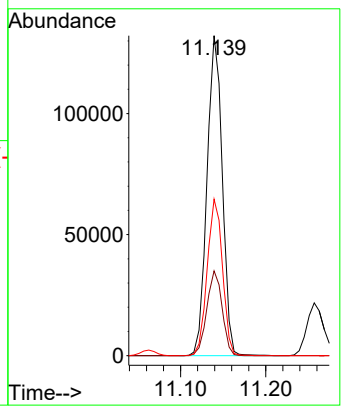


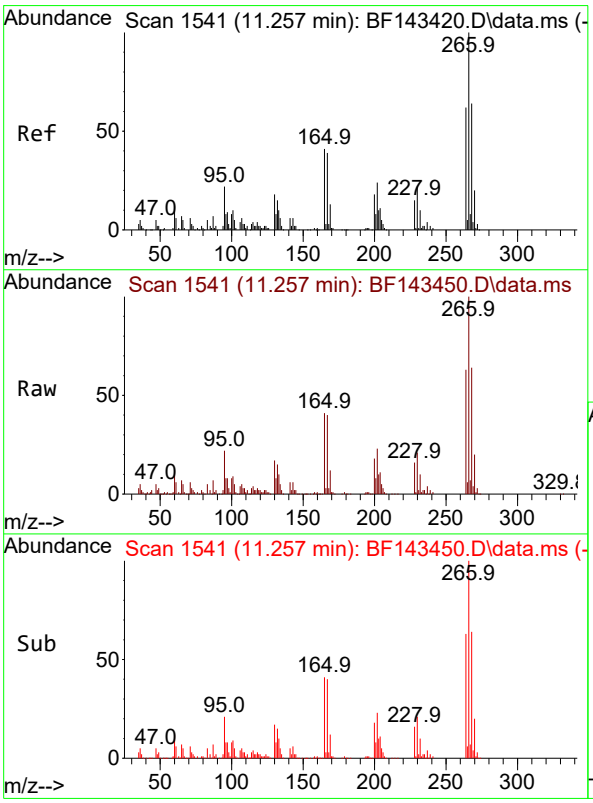
#69
Atrazine
Concen: 53.703 ng
RT: 11.139 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:200 Resp: 164848

Ion	Ratio	Lower	Upper
200	100		
173	26.5	6.6	46.6
215	48.9	29.5	69.5

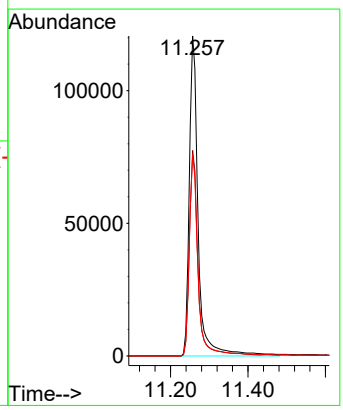


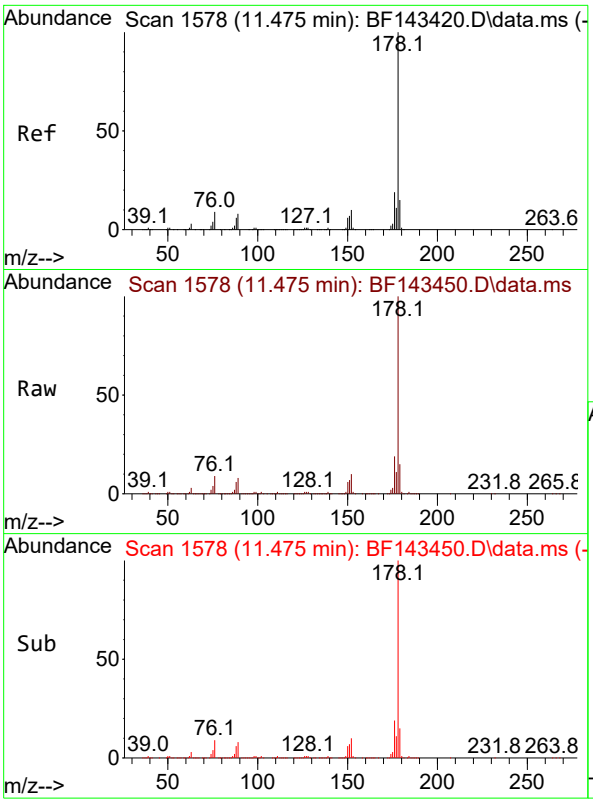


#70
Pentachlorophenol
Concen: 107.930 ng
RT: 11.257 min Scan# 1541
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:266 Resp: 192320

Ion	Ratio	Lower	Upper
266	100		
268	64.2	51.0	76.6
264	63.0	49.3	73.9



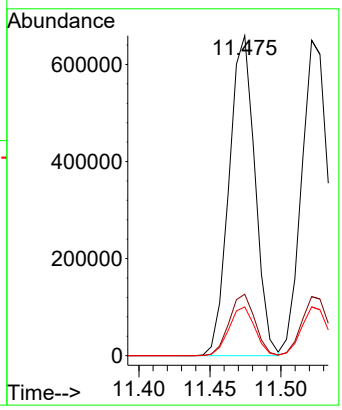


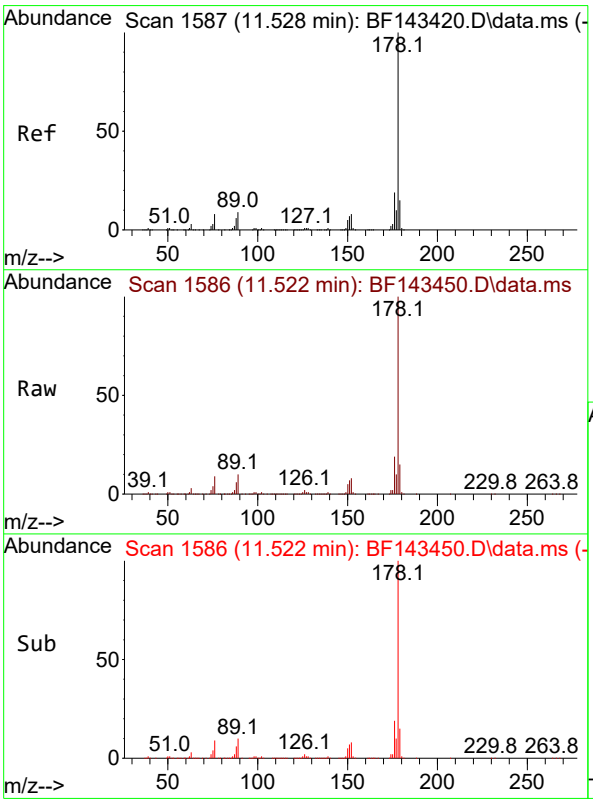
#71
Phenanthrene
Concen: 47.888 ng
RT: 11.475 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:178 Resp: 836985

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.2	12.3	18.5

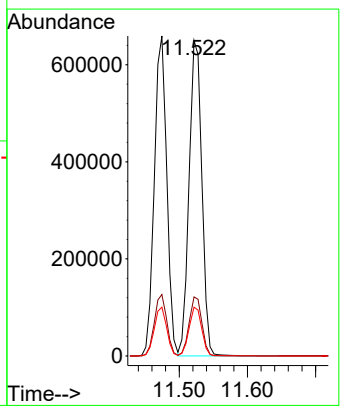


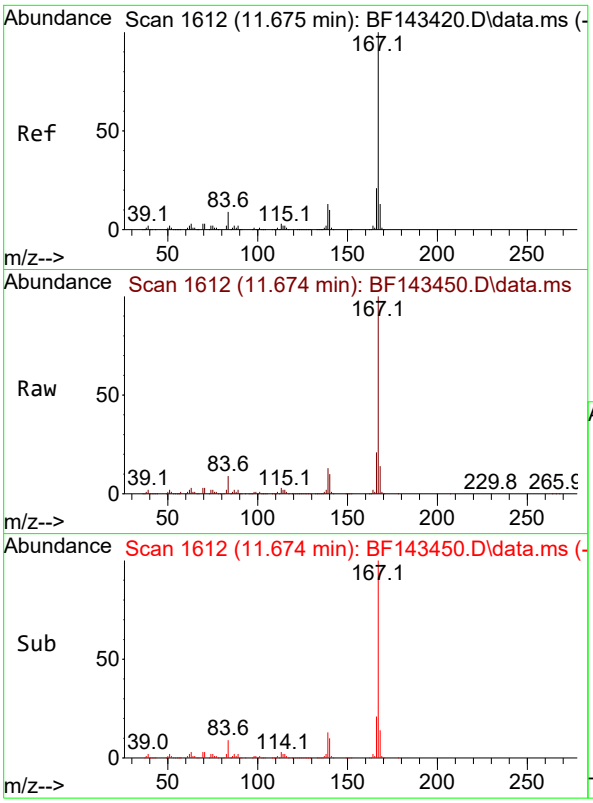


#72
Anthracene
Concen: 47.576 ng
RT: 11.522 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:178 Resp: 839872

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.8	22.2
179	15.5	12.2	18.4



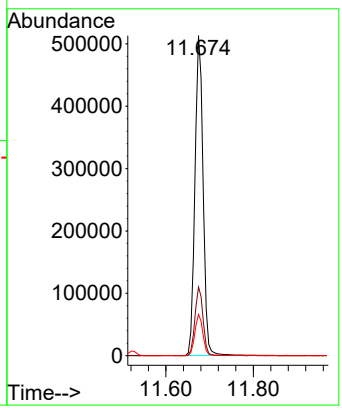


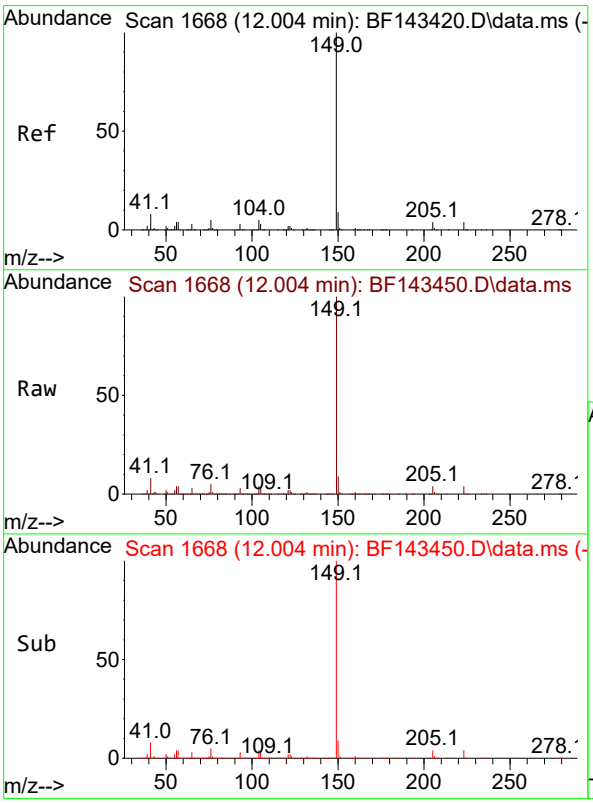
#73
Carbazole
Concen: 44.616 ng
RT: 11.674 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:167 Resp: 666136

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.2	25.8
139	12.9	10.1	15.1

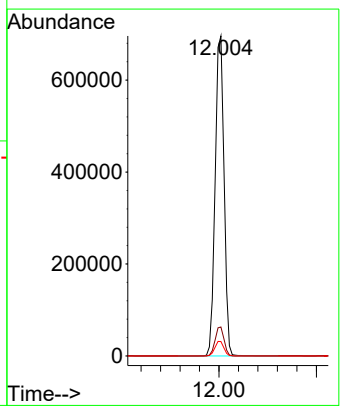


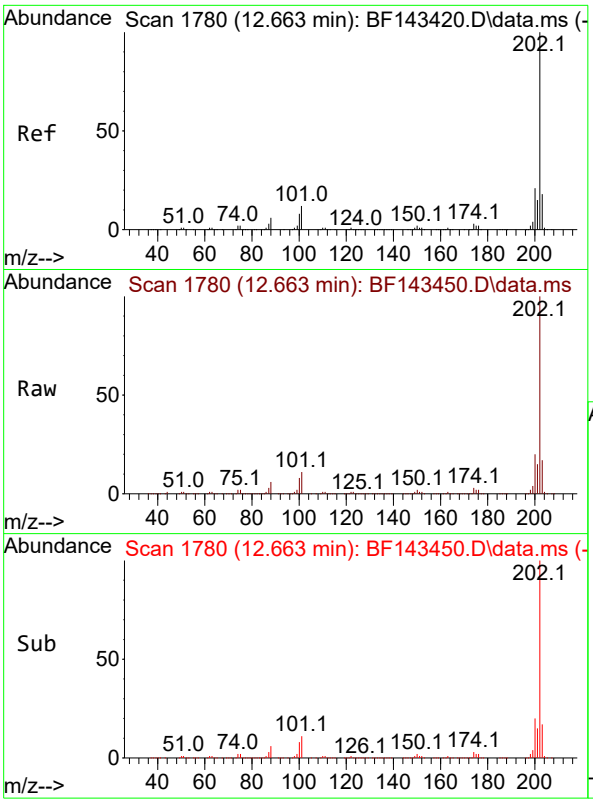


#74
Di-n-butylphthalate
Concen: 59.214 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:149 Resp: 880399

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.3	10.9
104	4.5	3.8	5.6



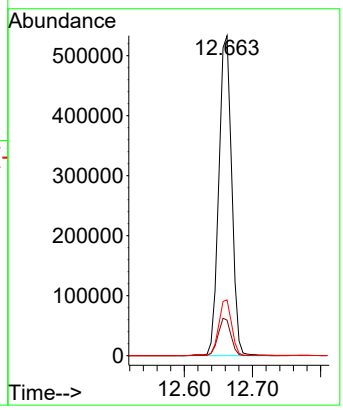


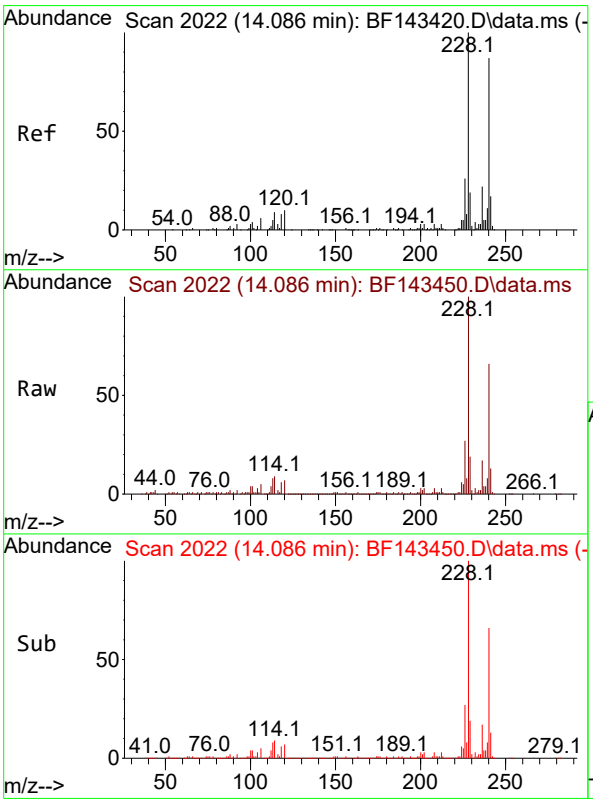
#75
Fluoranthene
Concen: 45.164 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:202 Resp: 701406

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.5
203	17.4	0.0	37.5

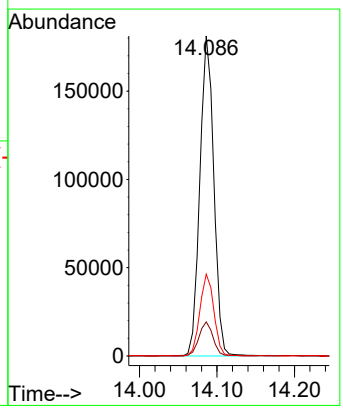


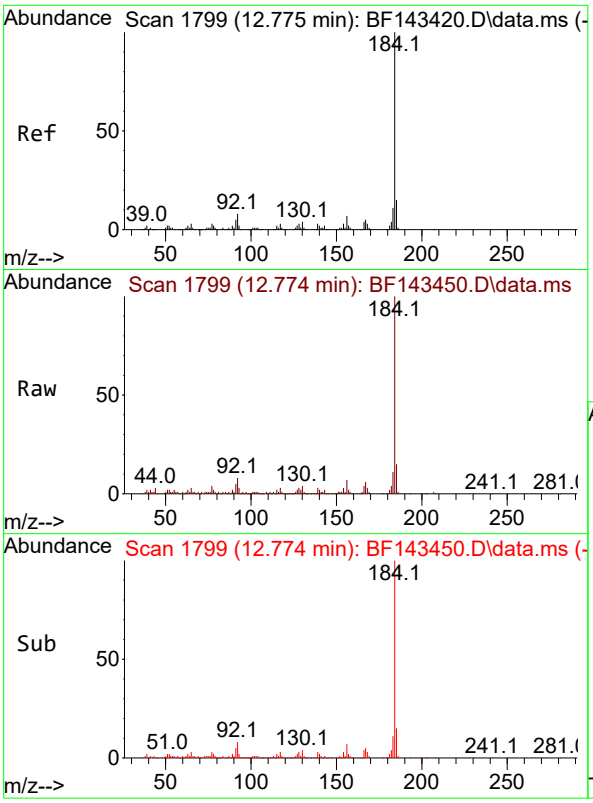


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:240 Resp: 226805

Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.0	13.4
236	25.6	20.2	30.2



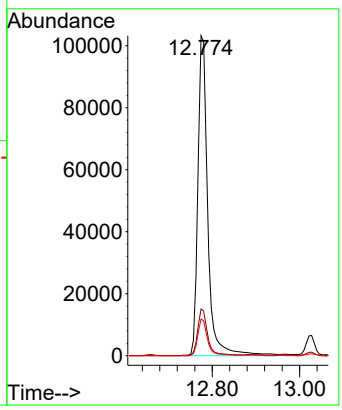


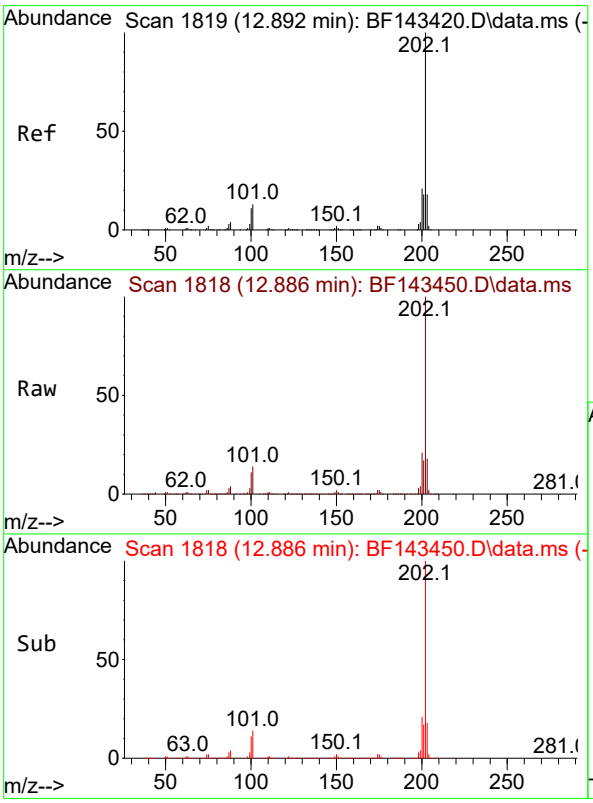
#77
Benzidine
Concen: 24.063 ng
RT: 12.774 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:184 Resp: 162975

Ion	Ratio	Lower	Upper
184	100		
185	14.6	12.2	18.2
183	11.5	9.2	13.8

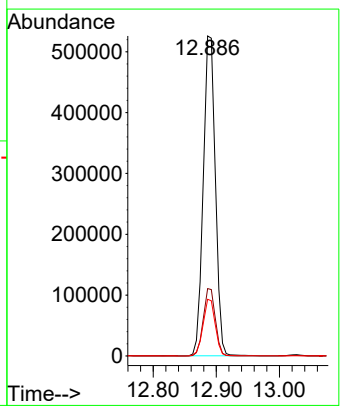


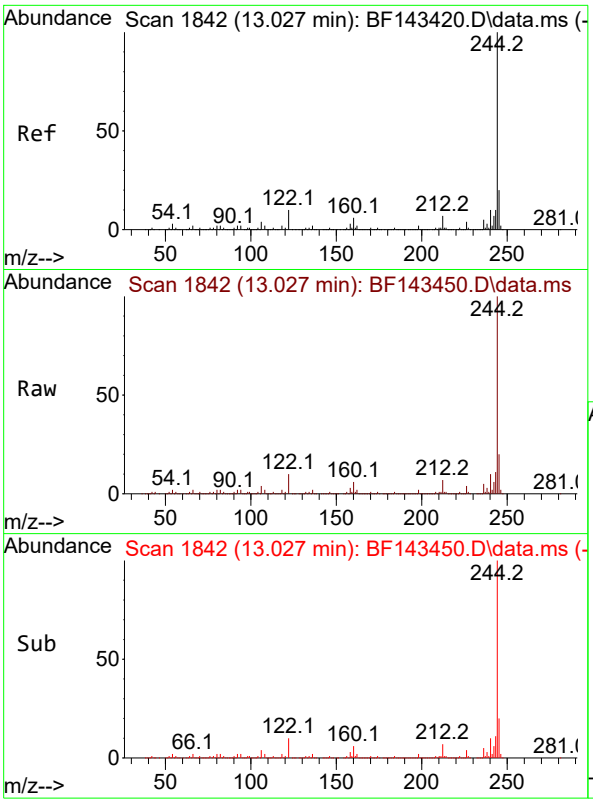


#78
Pyrene
Concen: 35.499 ng
RT: 12.886 min Scan# 1818
Delta R.T. -0.006 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:202 Resp: 699804

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.1	25.7
203	17.7	14.2	21.2



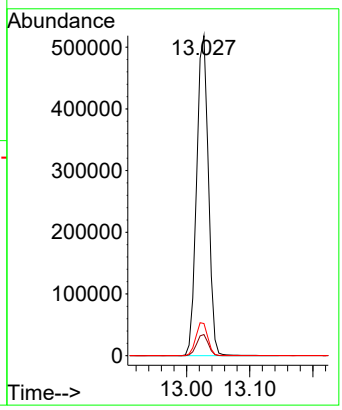


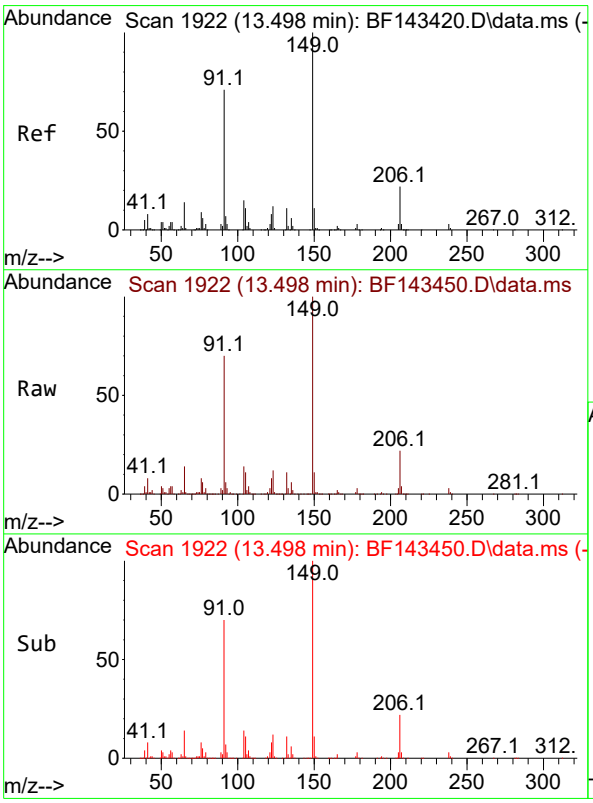
#79
Terphenyl-d14
Concen: 49.609 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:244 Resp: 669799

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	10.1	8.3	12.5

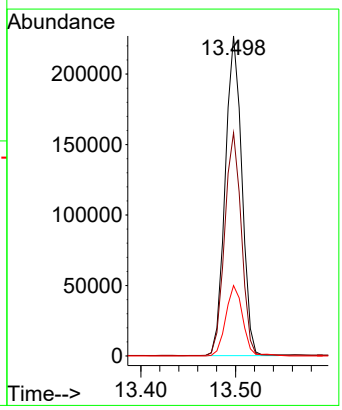


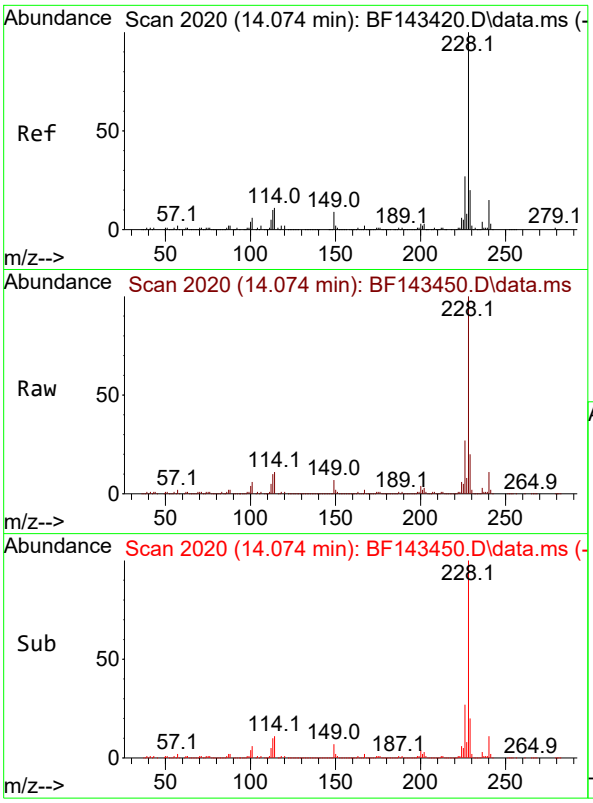


#80
Butylbenzylphthalate
Concen: 56.711 ng
RT: 13.498 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:149 Resp: 276906

Ion	Ratio	Lower	Upper
149	100		
91	69.7	57.0	85.4
206	22.0	17.6	26.4



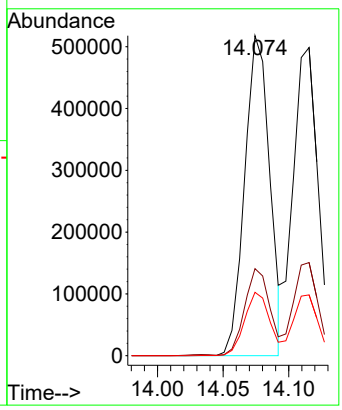


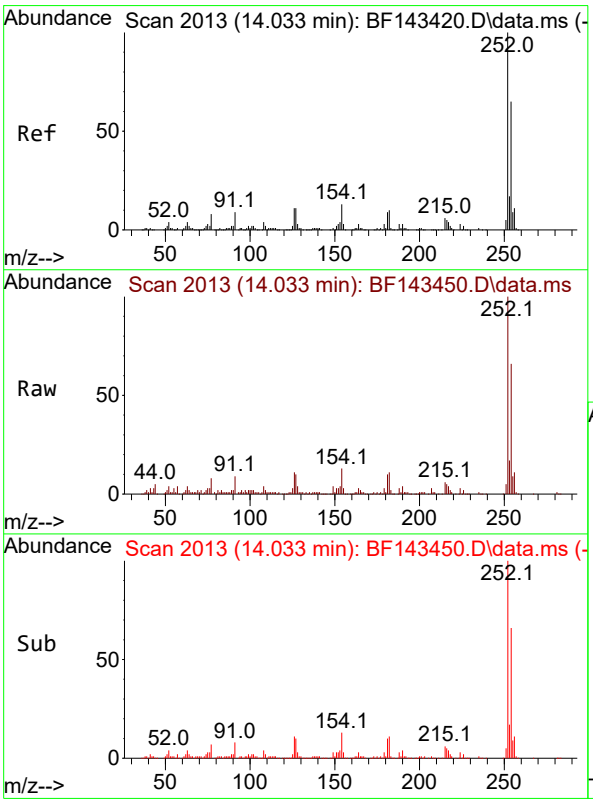
#81
Benzo(a)anthracene
Concen: 47.595 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:228 Resp: 687251

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.5	32.3
229	19.8	15.7	23.5

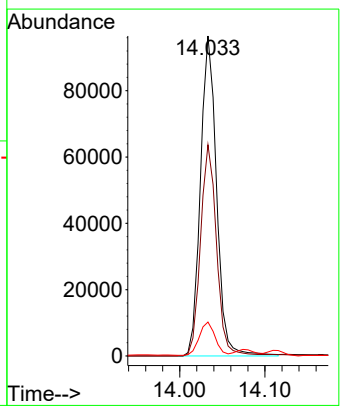


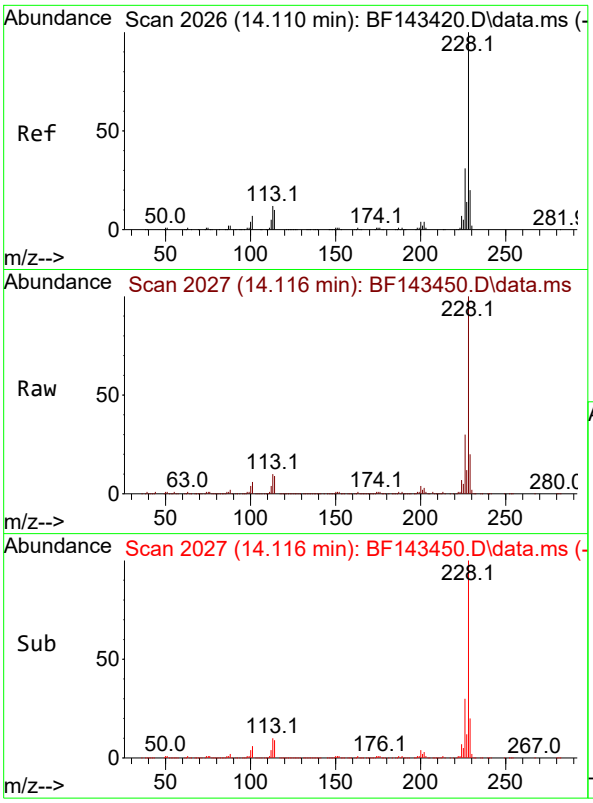


#82
3,3'-Dichlorobenzidine
Concen: 30.028 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:252 Resp: 126949

Ion	Ratio	Lower	Upper
252	100		
254	66.0	51.6	77.4
126	10.6	8.8	13.2



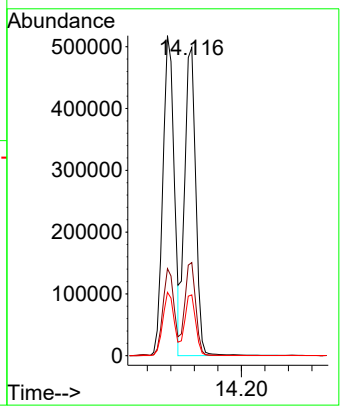


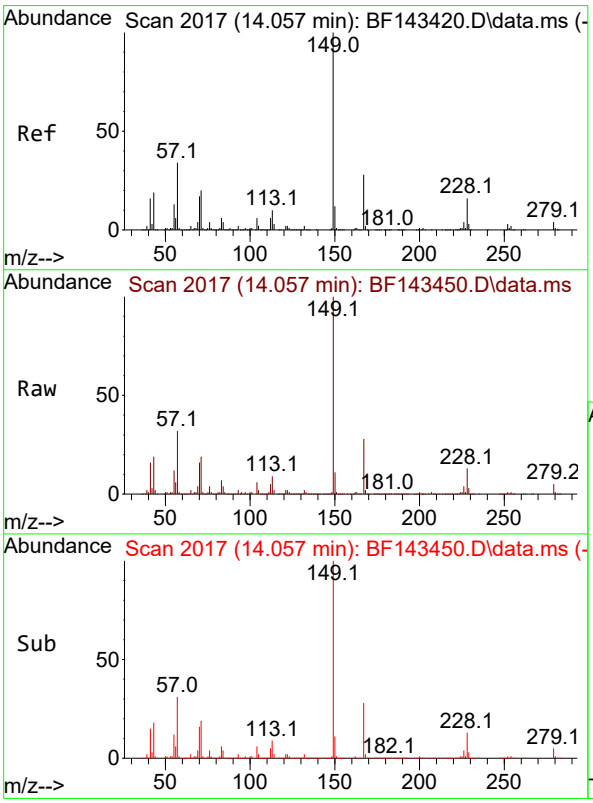
#83
Chrysene
Concen: 49.341 ng
RT: 14.116 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:228 Resp: 658665

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.3	36.5
229	19.7	16.1	24.1

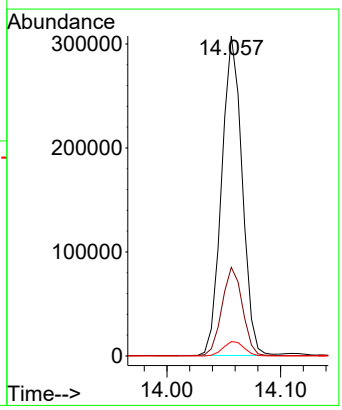


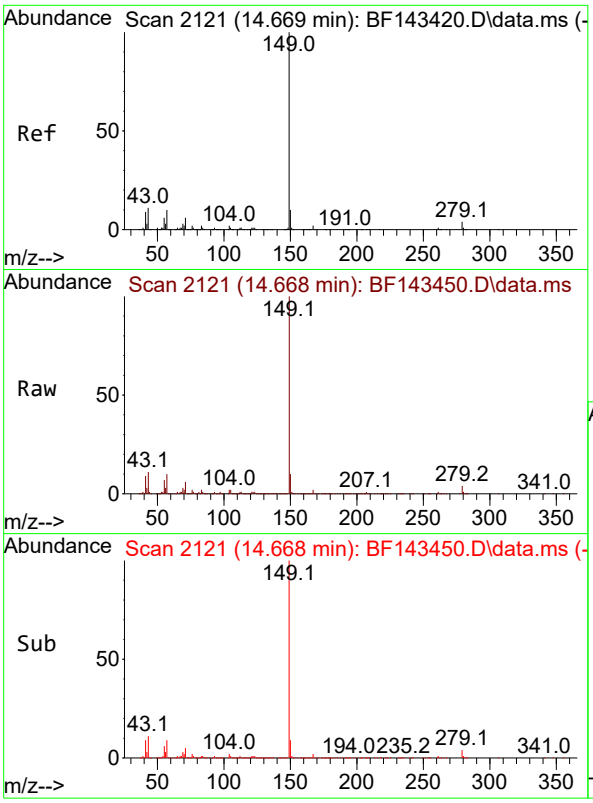


#84
Bis(2-ethylhexyl)phthalate
Concen: 55.504 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:149 Resp: 384878

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.6	33.8
279	4.5	3.5	5.3



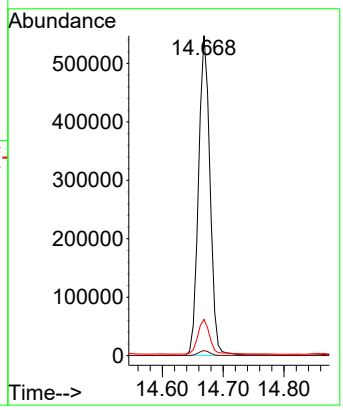


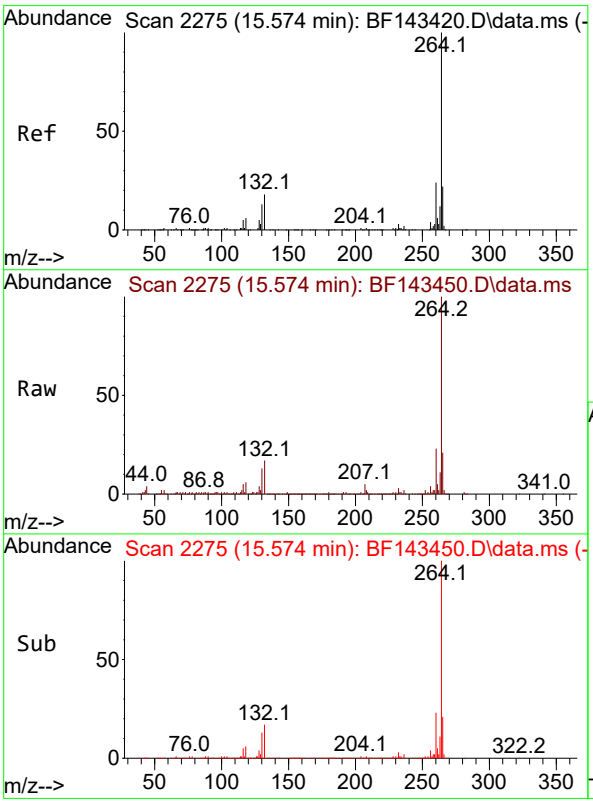
#85
Di-n-octyl phthalate
Concen: 50.636 ng
RT: 14.668 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:149 Resp: 712165

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.4	9.0	13.6

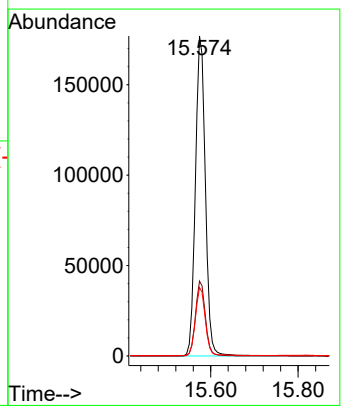


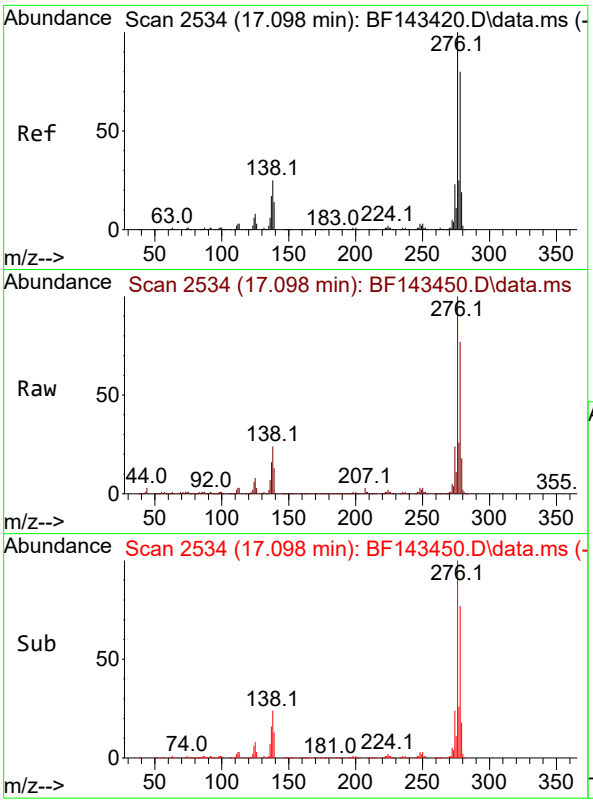


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:264 Resp: 281296

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.8	28.2
265	21.4	17.4	26.0



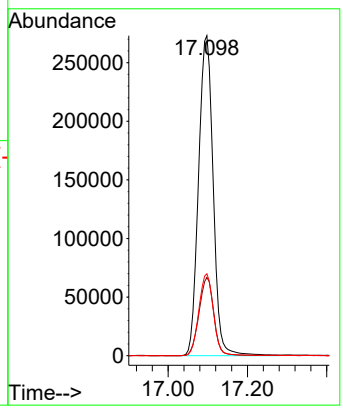


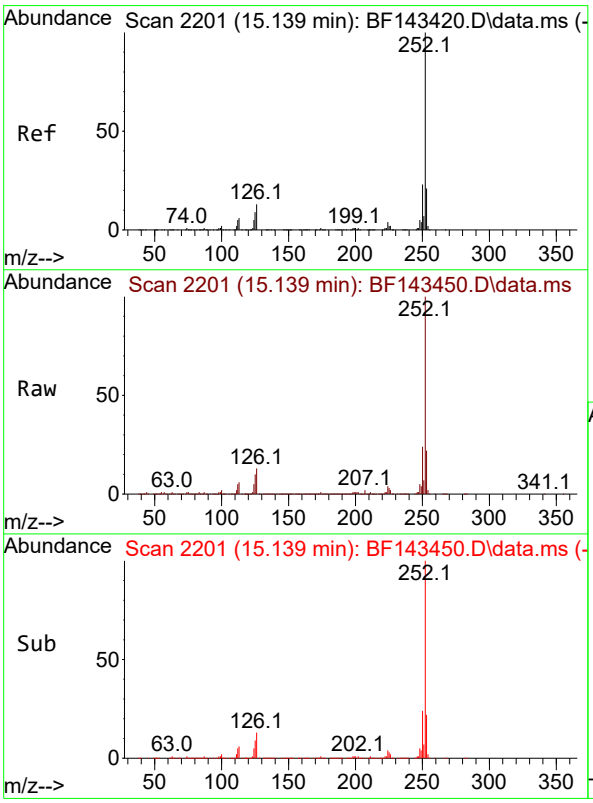
#87
Indeno(1,2,3-cd)pyrene
Concen: 33.188 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:276 Resp: 700088

Ion	Ratio	Lower	Upper
276	100		
138	24.7	20.2	30.4
277	25.5	20.2	30.2

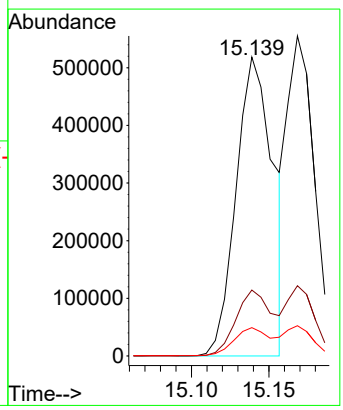


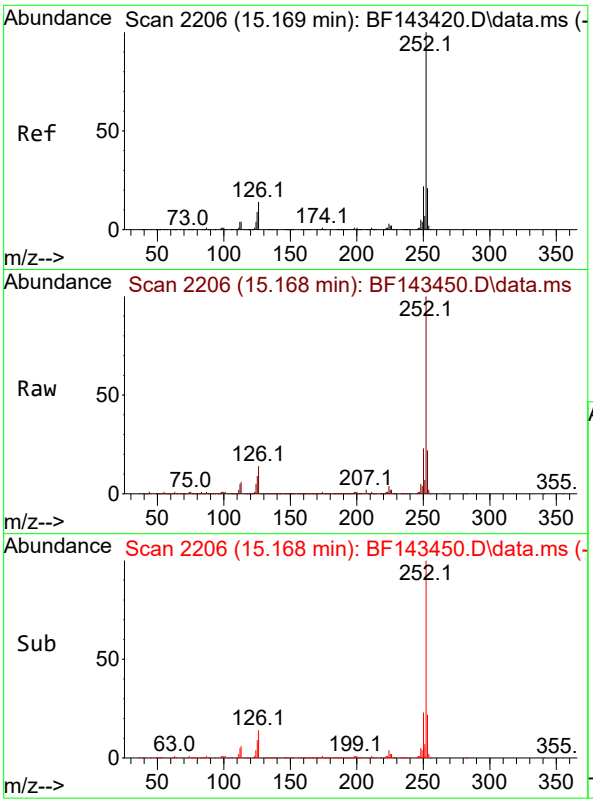


#88
Benzo(b)fluoranthene
Concen: 56.923 ng
RT: 15.139 min Scan# 2201
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:252 Resp: 858196

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	9.5	7.5	11.3



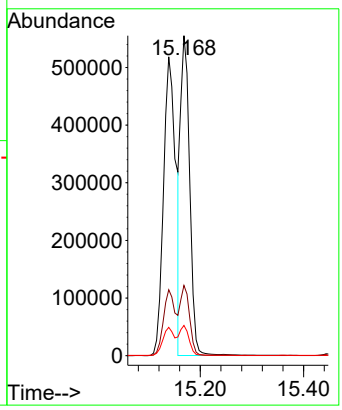


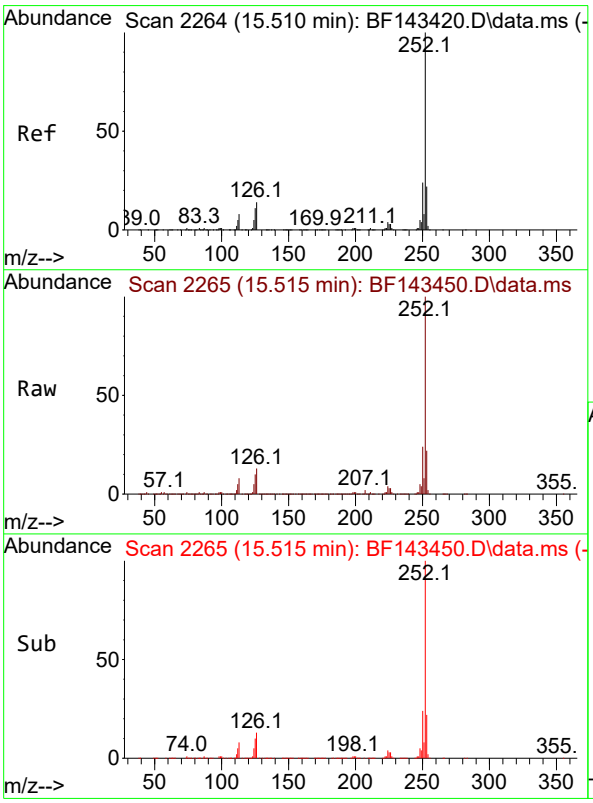
#89
Benzo(k)fluoranthene
Concen: 46.147 ng
RT: 15.168 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:252 Resp: 686212

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	9.5	7.4	11.2

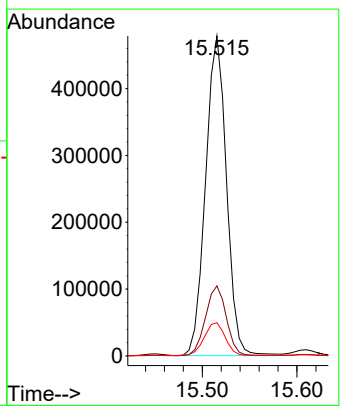


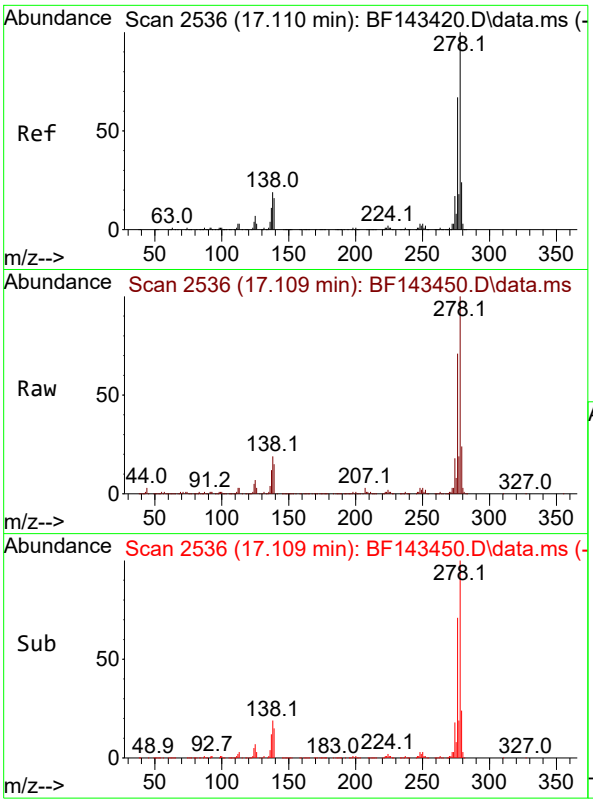


#90
Benzo(a)pyrene
Concen: 51.115 ng
RT: 15.515 min Scan# 2265
Delta R.T. 0.006 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:252 Resp: 733985

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	10.4	8.6	12.8



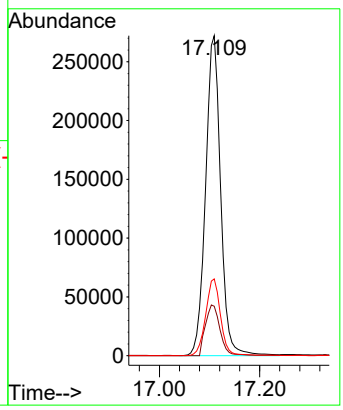


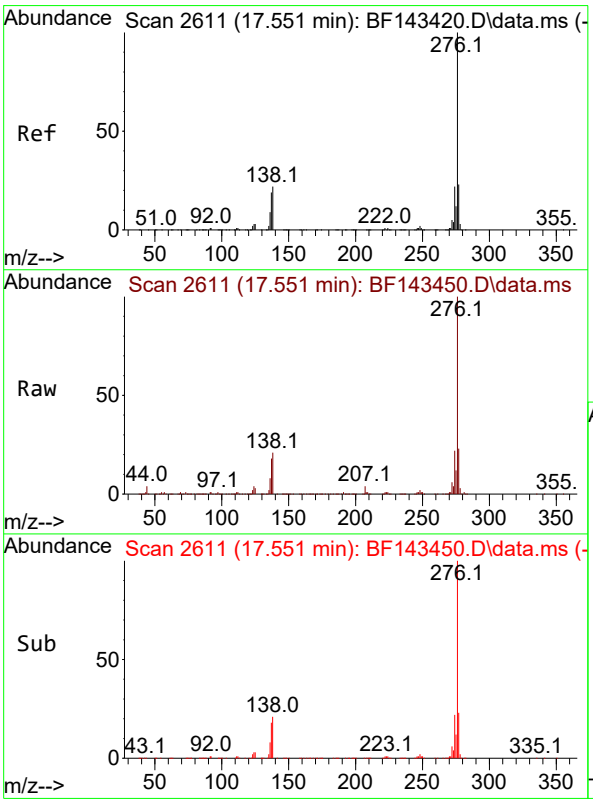
#91
Dibenzo(a,h)anthracene
Concen: 33.554 ng
RT: 17.109 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:278 Resp: 568407

Ion	Ratio	Lower	Upper
278	100		
139	15.5	12.9	19.3
279	24.0	19.0	28.4

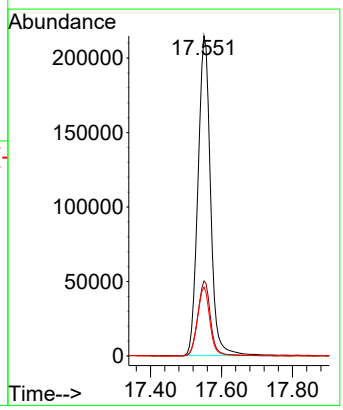




#92
Benzo(g,h,i)perylene
Concen: 31.319 ng
RT: 17.551 min Scan# 2611
Delta R.T. -0.000 min
Lab File: BF143450.D
Acq: 19 Aug 2025 12:04

Tgt Ion:276 Resp: 530004

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.7	28.1
138	21.5	17.5	26.3



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Manual Integration Report

Sequence:	bf081525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF143418.D	Benzoic acid	Rahul	8/18/2025 8:33:03 AM	Jagrut	8/18/2025 8:43:19 AM	Peak Integrated by Software
SSTDICC020	BF143419.D	Benzoic acid	Rahul	8/18/2025 8:33:06 AM	Jagrut	8/18/2025 8:43:12 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf081925	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB169285BS	BF143447.D	2,4-Dimethylphenol	Rahul	8/20/2025 8:36:30 AM	Jagrut	8/20/2025 1:24:07 PM	Peak Integrated by Software
PB169285BS	BF143447.D	Caprolactam	Rahul	8/20/2025 8:36:30 AM	Jagrut	8/20/2025 1:24:07 PM	Peak Integrated by Software
Q2879-01	BF143451.D	Benzo(b)fluoranthene	Rahul	8/20/2025 8:36:35 AM	Jagrut	8/20/2025 1:24:10 PM	Peak Integrated by Software
Q2879-01	BF143451.D	Benzo(k)fluoranthene	Rahul	8/20/2025 8:36:35 AM	Jagrut	8/20/2025 1:24:10 PM	Peak Integrated by Software
Q2879-03	BF143452.D	Benzo(b)fluoranthene	Rahul	8/20/2025 8:36:39 AM	Jagrut	8/20/2025 1:24:12 PM	Peak Integrated by Software
Q2879-03	BF143452.D	Benzo(k)fluoranthene	Rahul	8/20/2025 8:36:39 AM	Jagrut	8/20/2025 1:24:12 PM	Peak Integrated by Software
Q2879-05	BF143453.D	Benzo(b)fluoranthene	Rahul	8/20/2025 8:36:42 AM	Jagrut	8/20/2025 1:24:20 PM	Peak Integrated by Software
Q2879-05	BF143453.D	Benzo(k)fluoranthene	Rahul	8/20/2025 8:36:42 AM	Jagrut	8/20/2025 1:24:20 PM	Peak Integrated by Software
Q2879-07	BF143454.D	Benzo(b)fluoranthene	Rahul	8/20/2025 8:36:44 AM	Jagrut	8/20/2025 1:24:23 PM	Peak Integrated by Software
Q2879-07	BF143454.D	Benzo(k)fluoranthene	Rahul	8/20/2025 8:36:44 AM	Jagrut	8/20/2025 1:24:23 PM	Peak Integrated by Software
Q2879-09	BF143455.D	Benzo(b)fluoranthene	Rahul	8/20/2025 8:36:48 AM	Jagrut	8/20/2025 1:24:26 PM	Peak Integrated by Software
Q2879-09	BF143455.D	Benzo(k)fluoranthene	Rahul	8/20/2025 8:36:48 AM	Jagrut	8/20/2025 1:24:26 PM	Peak Integrated by Software
Q2879-11	BF143456.D	Benzo(b)fluoranthene	Rahul	8/20/2025 8:36:50 AM	Jagrut	8/20/2025 1:24:29 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf081925	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2879-11	BF143456.D	Benzo(k)fluoranthene	Rahul	8/20/2025 8:36:50 AM	Jagrut	8/20/2025 1:24:29 PM	Peak Integrated by Software
Q2879-13	BF143457.D	Benzo(b)fluoranthene	Rahul	8/20/2025 8:36:53 AM	Jagrut	8/20/2025 1:24:31 PM	Peak Integrated by Software
Q2879-13	BF143457.D	Benzo(k)fluoranthene	Rahul	8/20/2025 8:36:53 AM	Jagrut	8/20/2025 1:24:31 PM	Peak Integrated by Software
Q2879-15	BF143458.D	Benzo(b)fluoranthene	Rahul	8/20/2025 8:36:56 AM	Jagrut	8/20/2025 1:24:34 PM	Peak Integrated by Software
Q2879-15	BF143458.D	Benzo(k)fluoranthene	Rahul	8/20/2025 8:36:56 AM	Jagrut	8/20/2025 1:24:34 PM	Peak Integrated by Software
Q2879-17	BF143459.D	Benzo(b)fluoranthene	Rahul	8/20/2025 8:36:59 AM	Jagrut	8/20/2025 1:24:36 PM	Peak Integrated by Software
Q2879-17	BF143459.D	Benzo(k)fluoranthene	Rahul	8/20/2025 8:36:59 AM	Jagrut	8/20/2025 1:24:36 PM	Peak Integrated by Software

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081525

Review By	Rahul	Review On	8/18/2025 8:39:29 AM				
Supervise By	Jagrut	Supervise On	8/18/2025 8:43:38 AM				
SubDirectory	BF081525	HP Acquire Method	BNA_F		HP Processing Method	bf081525	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143415.D	15 Aug 2025 13:59	RC/JU	Ok
2	SSTDICC2.5	BF143416.D	15 Aug 2025 14:29	RC/JU	Ok
3	SSTDICC005	BF143417.D	15 Aug 2025 14:58	RC/JU	Ok
4	SSTDICC010	BF143418.D	15 Aug 2025 15:28	RC/JU	Ok,M
5	SSTDICC020	BF143419.D	15 Aug 2025 15:58	RC/JU	Ok,M
6	SSTDICCC040	BF143420.D	15 Aug 2025 16:28	RC/JU	Ok
7	SSTDICC050	BF143421.D	15 Aug 2025 16:58	RC/JU	Ok
8	SSTDICC060	BF143422.D	15 Aug 2025 17:27	RC/JU	Ok
9	SSTDICC080	BF143423.D	15 Aug 2025 17:57	RC/JU	Ok
10	SSTDICV040	BF143424.D	15 Aug 2025 18:57	RC/JU	Ok
11	PB169229BL	BF143425.D	15 Aug 2025 19:27	RC/JU	Ok
12	PB169229BS	BF143426.D	15 Aug 2025 19:56	RC/JU	Ok,M
13	SSTDCCC040	BF143427.D	15 Aug 2025 20:26	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081925

Review By	Rahul	Review On	8/20/2025 8:37:42 AM		
Supervise By	Jagrut	Supervise On	8/20/2025 1:25:01 PM		
SubDirectory	BF081925	HP Acquire Method	BNA_F	HP Processing Method	bf081525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143444.D	19 Aug 2025 08:39	RC/JU	Ok
2	SSTDCCC040	BF143445.D	19 Aug 2025 09:36	RC/JU	Ok
3	PB169285BL	BF143446.D	19 Aug 2025 10:05	RC/JU	Ok
4	PB169285BS	BF143447.D	19 Aug 2025 10:34	RC/JU	Ok,M
5	Q2873-01	BF143448.D	19 Aug 2025 11:06	RC/JU	Not Ok
6	Q2873-01MS	BF143449.D	19 Aug 2025 11:35	RC/JU	Ok
7	Q2873-01MSD	BF143450.D	19 Aug 2025 12:04	RC/JU	Ok
8	Q2879-01	BF143451.D	19 Aug 2025 12:33	RC/JU	Ok,M
9	Q2879-03	BF143452.D	19 Aug 2025 13:01	RC/JU	Ok,M
10	Q2879-05	BF143453.D	19 Aug 2025 13:30	RC/JU	Ok,M
11	Q2879-07	BF143454.D	19 Aug 2025 13:59	RC/JU	Ok,M
12	Q2879-09	BF143455.D	19 Aug 2025 14:28	RC/JU	Ok,M
13	Q2879-11	BF143456.D	19 Aug 2025 14:57	RC/JU	Ok,M
14	Q2879-13	BF143457.D	19 Aug 2025 15:26	RC/JU	Ok,M
15	Q2879-15	BF143458.D	19 Aug 2025 15:55	RC/JU	Ok,M
16	Q2879-17	BF143459.D	19 Aug 2025 16:24	RC/JU	Ok,M
17	Q2888-02	BF143460.D	19 Aug 2025 16:58	RC/JU	Ok
18	Q2891-01	BF143461.D	19 Aug 2025 17:27	RC/JU	Ok
19	Q2891-02	BF143462.D	19 Aug 2025 17:57	RC/JU	Ok
20	Q2891-03	BF143463.D	19 Aug 2025 18:26	RC/JU	Ok
21	Q2891-04	BF143464.D	19 Aug 2025 18:55	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081925

Review By	Rahul	Review On	8/20/2025 8:37:42 AM				
Supervise By	Jagrut	Supervise On	8/20/2025 1:25:01 PM				
SubDirectory	BF081925	HP Acquire Method	BNA_F		HP Processing Method	bf081525	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	SSTDCCC040	BF143465.D	19 Aug 2025 19:53	RC/JU	Ok
23	DFTPP	BF143466.D	19 Aug 2025 20:52	RC/JU	Ok
24	SSTDCCC040	BF143467.D	19 Aug 2025 21:21	RC/JU	Ok
25	PB169312BL	BF143468.D	19 Aug 2025 21:50	RC/JU	Ok
26	PB169312BS	BF143469.D	19 Aug 2025 22:19	RC/JU	Ok,M
27	PB169291TB	BF143470.D	19 Aug 2025 22:48	RC/JU	Ok
28	Q2888-02MS	BF143471.D	19 Aug 2025 23:17	RC/JU	Ok,M
29	Q2888-02MSD	BF143472.D	19 Aug 2025 23:46	RC/JU	Ok,M
30	Q2683-07	BF143473.D	20 Aug 2025 00:15	RC/JU	Ok
31	Q2683-03	BF143474.D	20 Aug 2025 00:45	RC/JU	Ok
32	Q2884-04	BF143475.D	20 Aug 2025 01:14	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081525

Review By	Rahul	Review On	8/18/2025 8:39:29 AM		
Supervise By	Jagrut	Supervise On	8/18/2025 8:43:38 AM		
SubDirectory	BF081525	HP Acquire Method	BNA_F	HP Processing Method	bf081525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143415.D	15 Aug 2025 13:59		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF143416.D	15 Aug 2025 14:29		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF143417.D	15 Aug 2025 14:58		RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF143418.D	15 Aug 2025 15:28		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF143419.D	15 Aug 2025 15:58	Compound#41,54 Kept on LR	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF143420.D	15 Aug 2025 16:28	Benzaldehyde failed in the Calibration.	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF143421.D	15 Aug 2025 16:58		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF143422.D	15 Aug 2025 17:27		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF143423.D	15 Aug 2025 17:57	compound #77 removed.	RC/JU	Ok
10	SSTDICV040	ICVBF081525	BF143424.D	15 Aug 2025 18:57		RC/JU	Ok
11	PB169229BL	PB169229BL	BF143425.D	15 Aug 2025 19:27		RC/JU	Ok
12	PB169229BS	PB169229BS	BF143426.D	15 Aug 2025 19:56		RC/JU	Ok,M
13	SSTDCCC040	SSTDCCC040EC	BF143427.D	15 Aug 2025 20:26		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081925

Review By	Rahul	Review On	8/20/2025 8:37:42 AM		
Supervise By	Jagrut	Supervise On	8/20/2025 1:25:01 PM		
SubDirectory	BF081925	HP Acquire Method	BNA_F	HP Processing Method	bf081525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143444.D	19 Aug 2025 08:39		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143445.D	19 Aug 2025 09:36		RC/JU	Ok
3	PB169285BL	PB169285BL	BF143446.D	19 Aug 2025 10:05	Used only for the DOD projects in the batch.	RC/JU	Ok
4	PB169285BS	PB169285BS	BF143447.D	19 Aug 2025 10:34	Used only for the DOD projects in the batch.	RC/JU	Ok,M
5	Q2873-01	DRILL CUTTING 1-3 C	BF143448.D	19 Aug 2025 11:06	Method failed for com. #9	RC/JU	Not Ok
6	Q2873-01MS	DRILL CUTTING 1-3 C	BF143449.D	19 Aug 2025 11:35	Used only for the DOD projects in the batch.	RC/JU	Ok
7	Q2873-01MSD	DRILL CUTTING 1-3 C	BF143450.D	19 Aug 2025 12:04	Used only for the DOD projects in the batch.	RC/JU	Ok
8	Q2879-01	OU4-TS-GRILLO-TSCF	BF143451.D	19 Aug 2025 12:33		RC/JU	Ok,M
9	Q2879-03	OU4-TS-GRILLO-TSCF	BF143452.D	19 Aug 2025 13:01		RC/JU	Ok,M
10	Q2879-05	OU4-TS-GRILLO-TSCF	BF143453.D	19 Aug 2025 13:30		RC/JU	Ok,M
11	Q2879-07	OU4-TS-GRILLO-TSCF	BF143454.D	19 Aug 2025 13:59		RC/JU	Ok,M
12	Q2879-09	OU4-TS-GRILLO-TSCF	BF143455.D	19 Aug 2025 14:28		RC/JU	Ok,M
13	Q2879-11	OU4-TS-GRILLO-TSCF	BF143456.D	19 Aug 2025 14:57		RC/JU	Ok,M
14	Q2879-13	OU4-TS-GRILLO-TSCF	BF143457.D	19 Aug 2025 15:26	Surrogates failed.	RC/JU	Ok,M
15	Q2879-15	OU4-TS-GRILLO-TSCF	BF143458.D	19 Aug 2025 15:55		RC/JU	Ok,M
16	Q2879-17	OU4-TS-GRILLO-TSCF	BF143459.D	19 Aug 2025 16:24		RC/JU	Ok,M
17	Q2888-02	VNJ-210	BF143460.D	19 Aug 2025 16:58		RC/JU	Ok

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081925

Review By	Rahul	Review On	8/20/2025 8:37:42 AM		
Supervise By	Jagrut	Supervise On	8/20/2025 1:25:01 PM		
SubDirectory	BF081925	HP Acquire Method	BNA_F	HP Processing Method	bf081525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2891-01	BARRICADE	BF143461.D	19 Aug 2025 17:27		RC/JU	Ok
19	Q2891-02	WALL-1	BF143462.D	19 Aug 2025 17:57		RC/JU	Ok
20	Q2891-03	WALL-2	BF143463.D	19 Aug 2025 18:26		RC/JU	Ok
21	Q2891-04	WALL-3	BF143464.D	19 Aug 2025 18:55		RC/JU	Ok
22	SSTDCCC040	SSTDCCC040EC	BF143465.D	19 Aug 2025 19:53		RC/JU	Ok
23	DFTPP	DFTPP	BF143466.D	19 Aug 2025 20:52		RC/JU	Ok
24	SSTDCCC040	SSTDCCC040	BF143467.D	19 Aug 2025 21:21		RC/JU	Ok
25	PB169312BL	PB169312BL	BF143468.D	19 Aug 2025 21:50		RC/JU	Ok
26	PB169312BS	PB169312BS	BF143469.D	19 Aug 2025 22:19		RC/JU	Ok,M
27	PB169291TB	PB169291TB	BF143470.D	19 Aug 2025 22:48		RC/JU	Ok
28	Q2888-02MS	VNJ-210MS	BF143471.D	19 Aug 2025 23:17		RC/JU	Ok,M
29	Q2888-02MSD	VNJ-210MSD	BF143472.D	19 Aug 2025 23:46		RC/JU	Ok,M
30	Q2683-07	DSN003	BF143473.D	20 Aug 2025 00:15		RC/JU	Ok
31	Q2683-03	DSN001	BF143474.D	20 Aug 2025 00:45		RC/JU	Ok
32	Q2884-04	302	BF143475.D	20 Aug 2025 01:14		RC/JU	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 8/18/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 08/15/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 08/16/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136842

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q2879-01	OU4-TS-GRILLO-TSCP03-081425	1	1.18	10.28	11.46	10.34	89.1	
Q2879-03	OU4-TS-GRILLO-TSCP04-081425	2	1.18	10.24	11.42	10.1	87.1	
Q2879-05	OU4-TS-GRILLO-TSCP05-081425	3	1.16	10.04	11.2	10.51	93.1	
Q2879-07	OU4-TS-GRILLO-TSCP06-081425	4	1.17	10.46	11.63	10.67	90.8	
Q2879-09	OU4-TS-GRILLO-TSCP07-081425	5	1.18	10.09	11.27	10.61	93.5	
Q2879-11	OU4-TS-GRILLO-TSCP08-081425	6	1.16	10.83	11.99	11.05	91.3	
Q2879-13	OU4-TS-GRILLO-TSCP09-081425	7	1.18	10.47	11.65	10.9	92.8	
Q2879-15	OU4-TS-GRILLO-TSCP10-081425	8	1.19	10.58	11.77	10.85	91.3	
Q2879-17	OU4-TS-GRILLO-TSCP11-081425	9	1.12	10.76	11.88	9.4	77.0	
Q2880-05	SVOC-GPC-BLANK	10	1.00	1.00	2.00	2.00	100.0	
Q2880-06	PEST-GPC-BLANK	11	1.00	1.00	2.00	2.00	100.0	
Q2880-07	PEST-GPC-BLANK-SPIKE	12	1.00	1.00	2.00	2.00	100.0	
Q2880-08	SVOC-GPC2-BLANK	13	1.00	1.00	2.00	2.00	100.0	
Q2880-09	PEST-GPC2-BLANK	14	1.00	1.00	2.00	2.00	100.0	
Q2880-10	PEST -GPC2-BLANK-SPIKE	15	1.00	1.00	2.00	2.00	100.0	
Q2883-01	RBR2520553	16	1.15	10.43	11.58	10.48	89.5	
Q2883-02	RBR2520553-E2	17	1.14	10.75	11.89	10.77	89.6	
Q2884-01	VNJ-232	18	1.12	10.11	11.23	10.8	95.7	
Q2884-02	VNJ-232	19	1.19	10.39	11.58	11.15	95.9	
Q2884-03	302	20	1.19	10.34	11.53	10.6	91.0	
Q2888-01	VNJ-210	21	1.18	10.04	11.22	10.71	94.9	
Q2889-01	PL-02-081525-	22	1.14	10.22	11.36	10.67	93.2	
Q2889-02	EO-02-081525-E2	23	1.19	10.42	11.61	10.68	91.1	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB 136842

WorkList Name : %1-081525 **WorkList ID :** 191293 **Department :** Wet-Chemistry **Date :** 08-15-2025 08:56:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2879-01	OU4-TS-GRILLO-TSCP03-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2879-03	OU4-TS-GRILLO-TSCP04-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2879-05	OU4-TS-GRILLO-TSCP05-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2879-07	OU4-TS-GRILLO-TSCP06-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2879-09	OU4-TS-GRILLO-TSCP07-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2879-11	OU4-TS-GRILLO-TSCP08-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2879-13	OU4-TS-GRILLO-TSCP09-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2879-15	OU4-TS-GRILLO-TSCP10-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2879-17	OU4-TS-GRILLO-TSCP11-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2880-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	08/08/2025	Chemtech -SO
Q2880-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	08/08/2025	Chemtech -SO
Q2880-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	08/08/2025	Chemtech -SO
Q2880-08	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	08/08/2025	Chemtech -SO
Q2880-09	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	08/08/2025	Chemtech -SO
Q2880-10	PEST -GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	08/08/2025	Chemtech -SO
Q2883-01	RBR2520553	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/15/2025	Chemtech -SO
Q2883-02	RBR2520553-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/15/2025	Chemtech -SO
Q2884-01	VNJ-232	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/15/2025	Chemtech -SO
Q2884-02	VNJ-232	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/15/2025	Chemtech -SO
Q2884-03	302	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/15/2025	Chemtech -SO
Q2888-01	VNJ-210	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/15/2025	Chemtech -SO

Date/Time 08/15/25 15:00

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 08/15/25 17:35

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

VB176842

WorkList Name : %1-081525 **WorkList ID :** 191293 **Department :** Wet-Chemistry **Date :** 08-15-2025 08:56:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2889-01	PL-02-081525-	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	08/15/2025	Chemtech -SO
Q2889-02	EO-02-081525-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	08/15/2025	Chemtech -SO

Date/Time 08/15/25 15:00

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 08/15/25 17:35

Raw Sample Received by:

Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB169285

SOP ID:	M3541-ASE Extraction-15				
Clean Up SOP #:	N/A			**Extraction Start Date :**	08/18/2025
Matrix :	Solid			**Extraction Start Time :**	09:06
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	08/18/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:25
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6849
Spike Sol 1	1.0ML	100/150 PPM	SP6852
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2626
Baked Na2SO4	N/A	EP2632
Methylene Chloride	N/A	E3964
Sand	N/A	E3951
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210443, Q2884-03 used Limited volume as sample is Oily Debris & Small Particles.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/18/25	RS (Ext lab)	Rclsvoc
12:30	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB169285

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 08/18/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169285BL	SBLK285	SVOCMS Group3	30.02	N/A	ritesh	Evelyn	1			U4-1
PB169285BS	SLCS285	SVOCMS Group3	30.03	N/A	ritesh	Evelyn	1			2
Q2873-01	DRIL CUTTING 1-3 COMP	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		3
Q2873-01MS	DRIL CUTTING 1-3 COMPMS	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		4
Q2873-01MSD	DRIL CUTTING 1-3 COMPMSD	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	E		5
Q2873-04	DRIL CUTTING 4-6 COMP	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	E		6
Q2874-03	ELI-HQ-CONCRETE	SVOC-PAH	50.08	N/A	ritesh	Evelyn	1	B	Concrete	U6-1
Q2879-01	OU4-TS-GRILLO-TSCP03-081425	SVOCMS Group3	30.02	N/A	ritesh	Evelyn	1	E		2
Q2879-03	OU4-TS-GRILLO-TSCP04-081425	SVOCMS Group3	30.04	N/A	ritesh	Evelyn	1	E		3
Q2879-05	OU4-TS-GRILLO-TSCP05-081425	SVOCMS Group3	30.07	N/A	ritesh	Evelyn	1	E		4
Q2879-07	OU4-TS-GRILLO-TSCP06-081425	SVOCMS Group3	30.03	N/A	ritesh	Evelyn	1	E		5
Q2879-09	OU4-TS-GRILLO-TSCP07-081425	SVOCMS Group3	30.01	N/A	ritesh	Evelyn	1	E		6
Q2879-11	OU4-TS-GRILLO-TSCP08-081425	SVOCMS Group3	30.08	N/A	ritesh	Evelyn	1	E		U1-1
Q2879-13	OU4-TS-GRILLO-TSCP09-081425	SVOCMS Group3	30.05	N/A	ritesh	Evelyn	1	E		2
Q2879-15	OU4-TS-GRILLO-TSCP10-081425	SVOCMS Group3	30.02	N/A	ritesh	Evelyn	1	E		3
Q2879-17	OU4-TS-GRILLO-TSCP11-081425	SVOCMS Group3	30.06	N/A	ritesh	Evelyn	1	E		4
Q2883-01	RBR2520553	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	E		5
Q2884-01	VNJ-232	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		6
Q2884-03	302	SVOC-TCL BNA -20	5.02	N/A	ritesh	Evelyn	1	C	Oily Debris+S.Partical	U2-1
Q2888-01	VNJ-210	SVOC-TCL BNA -20	50.08	N/A	ritesh	Evelyn	1	E		2
Q2889-01	PL-02-081525-	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		3

RS 8/18

* **Extracts relinquished on the same date as received.**

Q2879-SVOCMS Group3

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2883 **WorkList ID :** 191320 **Department :** Extraction **Date :** 08-18-2025 08:02:21

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2873-01	DRIL CUTTING 1-3 COMP	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	J32	08/13/2025	8270E
Q2873-04	DRIL CUTTING 4-6 COMP	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	J32	08/13/2025	8270E
Q2874-03	ELI-HQ-CONCRETE	Solid	SVOC-PAH	Cool 4 deg C	PSEG03	D31	08/14/2025	8270E
Q2879-01	OU4-TS-GRILLO-TSCP03-081	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	J23	08/14/2025	8270E
Q2879-03	OU4-TS-GRILLO-TSCP04-081	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	J23	08/14/2025	8270E
Q2879-05	OU4-TS-GRILLO-TSCP05-081	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	J23	08/14/2025	8270E
Q2879-07	OU4-TS-GRILLO-TSCP06-081	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	J23	08/14/2025	8270E
Q2879-09	OU4-TS-GRILLO-TSCP07-081	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	J23	08/14/2025	8270E
Q2879-11	OU4-TS-GRILLO-TSCP08-081	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	J23	08/14/2025	8270E
Q2879-13	OU4-TS-GRILLO-TSCP09-081	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	J23	08/14/2025	8270E
Q2879-15	OU4-TS-GRILLO-TSCP10-081	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	J23	08/14/2025	8270E
Q2879-17	OU4-TS-GRILLO-TSCP11-0814	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	J23	08/14/2025	8270E
Q2883-01	RBR2520553	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D21	08/15/2025	8270E
Q2884-01	VNJ-232	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	08/15/2025	8270E
Q2884-03	302	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	08/15/2025	8270E
Q2888-01	VNJ-210	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D21	08/15/2025	8270E
Q2889-01	PL-02-081525-	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	D21	08/15/2025	8270E

Date/Time 08/18/25 9:00
Raw Sample Received by: RJ (EXL-Velo)
Raw Sample Relinquished by: SM

Date/Time 08/18/25 9:30
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (EXL-Velo)

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Prep Standard - Chemical Standard Summary

Order ID : Q2879

Test : SVOCMS Group3

Prepbatch ID : PB169285,

Sequence ID/Qc Batch ID: BF081925,

Standard ID :
EP2626,EP2632,SP6757,SP6769,SP6770,SP6849,SP6852,SP6856,SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864,

Chemical ID :
10ul/1000ul sample,E3875,E3904,E3926,E3932,E3946,E3949,E3951,E3954,E3964,S11484,S11651,S11788,S11801,S11802,S11805,S11806,S11807,S12195,S12196,S12197,S12198,S12216,S12217,S12218,S12219,S12220,S12245,S12306,S12307,S12486,S12499,S12500,S12501,S12502,S12503,S12504,S12505,S12506,S12507,S12534,S12545,S12546,S12547,S12548,S12549,S12550,S12551,S12552,S12577,S12658,S12739,S12776,S12974,S12987,S12988,S12989,S12990,S12991,S12992,S13088,S13089,S13148,S13158,S13159,S13170,S13171,S13206,S13207,S13214,S13233,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2626	07/15/2025	01/15/2026	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 07/15/2025

FROM 8000.00000ml of E3949 + 8000.00000ml of E3954 = Final Quantity: 16000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2632	08/11/2025	01/28/2026	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 08/11/2025

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6757	03/31/2025	09/30/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/01/2025

FROM 1.00000ml of S12577 + 19.00000ml of E3904 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	SP6769	04/10/2025	09/10/2025	Jagrut Upadhyay	None	None	Sohil Jodhani 04/16/2025

FROM 0.04000ml of S12195 + 0.08000ml of S12216 + 0.10000ml of S11788 + 0.20000ml of S12486 + 0.20000ml of S12534 + 0.20000ml of S12974 + 1.18000ml of E3926 = Final Quantity: 2.000 ml

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Fax : 908 789 8922

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	SP6770	04/10/2025	09/10/2025	Jagrut Upadhyay	None	None	Sohil Jodhani 04/16/2025

FROM 0.01000ml of S12658 + 0.60000ml of E3926 + 0.40000ml of SP6769 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
171	8270/625 Spike Solution, 50/100 PPM	SP6849	07/01/2025	09/30/2025	Rahul Chavli	None	None	Jagrut Upadhyay 07/01/2025

FROM 0.10000ml of S12507 + 0.10000ml of S13159 + 0.30000ml of S13158 + 0.40000ml of S11484 + 0.40000ml of S11651 + 0.40000ml of S11806 + 0.40000ml of S11807 + 0.40000ml of S13148 + 0.40000ml of S13206 + 0.60000ml of S13089 + 0.80000ml of S12499 + 0.90000ml of S12552 + 1.20000ml of S12504 + 1.20000ml of S12506 + 1.20000ml of S12546 + 1.30000ml of S11802 + 1.30000ml of S12501 + 1.30000ml of S12503 + 1.30000ml of S12505 + 1.30000ml of S12545 + 1.30000ml of S12547 + 1.30000ml of S12549 + 1.30000ml of S12550 + 1.30000ml of S12551 + 1.30000ml of S12988 + 1.30000ml of S12989 + 1.30000ml of S12990 + 1.30000ml of S12992 + 1.40000ml of S11805 + 1.40000ml of S12500 + 1.40000ml of S12502 + 1.40000ml of S12548 + 1.40000ml of S12987 + 1.40000ml of S12991 + 1.40000ml of S13088 + 1.50000ml of S11801 + 163.00000ml of E3932 = Final Quantity: 200.000 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	SP6852	07/02/2025	09/18/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/02/2025

FROM 1.50000ml of S12220 + 2.00000ml of S12195 + 2.00000ml of S12197 + 2.00000ml of S12216 + 5.50000ml of S12196 + 5.50000ml of S12198 + 5.50000ml of S12217 + 5.50000ml of S12218 + 5.50000ml of S12219 + 965.00000ml of E3946 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4215	New 8270E/625.1 ICAL Stock Solution 100 ng	SP6856	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.04000ml of S13207 + 0.20000ml of S12197 + 0.30000ml of S12306 + 0.40000ml of S12220 + 0.50000ml of S11807 + 0.50000ml of S12245 + 0.50000ml of S12776 + 0.50000ml of S13214 + 0.50000ml of S13233 + 0.70000ml of S12307 + 1.00000ml of S12739 + 4.86000ml of E3954 = Final Quantity: 10.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4216	80ng ICC	SP6857	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.20000ml of E3954 + 0.80000ml of SP6856 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4217	60ng ICC	SP6858	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.40000ml of E3954 + 0.60000ml of SP6856 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4218	50ng ICC	SP6859	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.50000ml of E3954 + 0.50000ml of SP6856 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4219	40ng ICC	SP6860	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.60000ml of E3954 + 0.40000ml of SP6856 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4220	20ng ICC	SP6861	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.80000ml of E3954 + 0.20000ml of SP6856 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4221	10ng ICC	SP6862	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.75000ml of E3954 + 0.25000ml of SP6860 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4222	5ng ICC	SP6863	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.87500ml of E3954 + 0.12500ml of SP6860 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4223	2.5ng ICC	SP6864	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.50000ml of E3954 + 0.50000ml of SP6863 = Final Quantity: 1.010 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	01/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	01/07/2026	03/13/2025 / RUPESH	12/27/2024 / RUPESH	E3904

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	10/08/2025	04/08/2025 / Rajesh	02/07/2025 / Rajesh	E3926

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3932

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	07/01/2025 / RUPESH	06/19/2025 / RUPESH	E3946

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	04/18/2027	07/08/2025 / RITESHKUMAR	07/03/2025 / RUPESH	E3949

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	25A2756718	12/31/2028	07/09/2025 / RUPESH	04/28/2020 / RUPESH	E3951

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25B1862001	03/19/2026	07/14/2025 / RUPESH	06/11/2025 / RUPESH	E3954

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25C1262005	04/16/2026	08/14/2025 / RUPESH	03/06/2025 / RUPESH	E3964

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3]	A0200549	10/30/2025	04/30/2025 / Rahul	08/10/2023 / yogesh	S11484

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0201728	01/01/2026	07/01/2025 / Rahul	11/09/2023 / Yogesh	S11651

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	09/10/2025	03/10/2025 / anahy	11/21/2023 / Rahul	S11788

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	01/01/2026	07/01/2025 / Rahul	11/21/2023 / rahul	S11801

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	01/01/2026	07/01/2025 / Rahul	11/21/2023 / rahul	S11802

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	01/01/2026	07/01/2025 / Rahul	11/21/2023 / rahul	S11805

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	12/04/2025	06/04/2025 / Jagrut	11/21/2023 / rahul	S11806

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	01/01/2026	07/01/2025 / Rahul	11/21/2023 / rahul	S11807

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12195

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12196

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12197

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12198

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12216

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12217

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12218

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12219

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12220

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30409 / Pyridine, 2000 PPM in P & T Methanol	A0206650	12/16/2025	06/16/2025 / Jagrut	05/14/2024 / Rahul	S12245

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31902 / CLP/SVOA Additions Mix (Atrazine, Benzaldehyde, Caprolactam) 1000ug/mL	A0206859	01/31/2026	08/12/2025 / Jagrut	05/30/2024 / Rahul	S12306

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31902 / CLP/SVOA Additions Mix (Atrazine, Benzaldehyde, Caprolactam) 1000ug/mL	A0206859	01/31/2026	08/12/2025 / Jagrut	05/30/2024 / Rahul	S12307

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12486

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12499

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12500

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12501

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12502

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12503

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12504

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12505

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12506

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12507

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	10/10/2025	04/10/2025 / Jagrut	07/23/2024 / RAHUL	S12534

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	12/04/2025	06/04/2025 / Jagrut	07/23/2024 / RAHUL	S12545

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12546

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12547

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12548

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12549

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12550

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12552

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL,	A0212955	06/30/2027	03/31/2025 / Rahul	08/01/2024 / Rahul	S12577

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	04/30/2030	04/07/2025 / anahy	09/20/2024 / anahy	S12658

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31900 / SOM01.1 Mega Mix, 500-1000 ug/ml	A0215529	02/12/2026	08/12/2025 / Jagrut	10/08/2024 / anahy	S12739

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	90494 / 1-Methylnaphthalene, 2000 ug/mL, in methylene chloride	061323	02/12/2026	08/12/2025 / Jagrut	11/08/2024 / anahy	S12776

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12974

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12987

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12988

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12989

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12990

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12991

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12992

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0221014	11/30/2025	07/01/2025 / Rahul	05/20/2025 / Rahul	S13088

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0221014	11/30/2025	07/01/2025 / Rahul	05/20/2025 / Rahul	S13089

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0201702	12/03/2025	06/03/2025 / Jagrut	11/13/2023 / Rahul	S13148

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0226283	12/04/2025	06/04/2025 / Jagrut	06/04/2025 / Rahul	S13158

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0226283	01/01/2026	07/01/2025 / Rahul	06/04/2025 / Rahul	S13159

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0224359	02/11/2026	08/11/2025 / Rahul	06/02/2025 / anahy	S13170

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0224359	03/31/2031	/	06/02/2025 / anahy	S13171

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0226493	01/01/2026	07/01/2025 / Rahul	06/11/2025 / anahy	S13206

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0226493	02/12/2026	08/12/2025 / Jagrut	06/11/2025 / anahy	S13207

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31879 / Benzoic Acid, 2000 µg/mL, Methylene Chloride, 1 mL/ampul	A0221395	02/12/2026	08/12/2025 / Jagrut	07/10/2025 / anahy	S13214

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	582978 / Custom Calibration Standard - C8 2,000µg/mL, Methylene chloride, 1mL/ampul, Chromatographic, CS-347186	A0228192	02/12/2026	08/12/2025 / Jagrut	08/01/2025 / Rahul	S13233

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE **RMB3375**)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RE-02-01, Ed. 3

E 3875

PO: PO2-1308 PRODUCT CODE: SHIP DATE: 2/7/25

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3926

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD RS

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3932

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RS 6/19/25

E3946

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Read on 7/2/25

E3949

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

VWR®
BDH® CHEMICALS

Certificate of Analysis

Material	BDH9274-2.5KG
Material Description	BDH SAND STDD OTTAWA W+I 2.5KG
Grade	NOT APPLICABLE
Batch	25A2756718
Reassay Date	12/31/2028
CAS Number	14808-60-7
Molecular Formula	SiO2
Molecular Mass	60.09
Date of Manufacture	12/05/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	Beige granules.	Beige granules.
Moisture	<= 0.1 %	0.1 %
Particle Size 30-40 mesh	>= 80 %	99 %
CUSTOMER PART # BDH9274-2.5KG		

Received on 7/9/25.

E3951

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above.	Analysis may have been rounded to significant digits in specification limits
This document has been electronically produced and is valid without a signature.	Product meets analytical specifications of the grades listed.
Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 25B1862001
Manufactured Date: 2024-12-18
Expiration Date:2026-03-19
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

RS 7/14/25

E3954

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 25C1262005
Manufactured Date: 2025-01-15
Expiration Date:2026-04-16
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Received on

E 3964

J Croak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555870 **Lot No.:** A0200549

Description : Custom 2,4-Dinitrophenol Standard

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

S11484 ↓ S11493 Y.P. 08/10/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	25,008.0 µg/mL	+/- 777.3323

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 02-Aug-2023 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

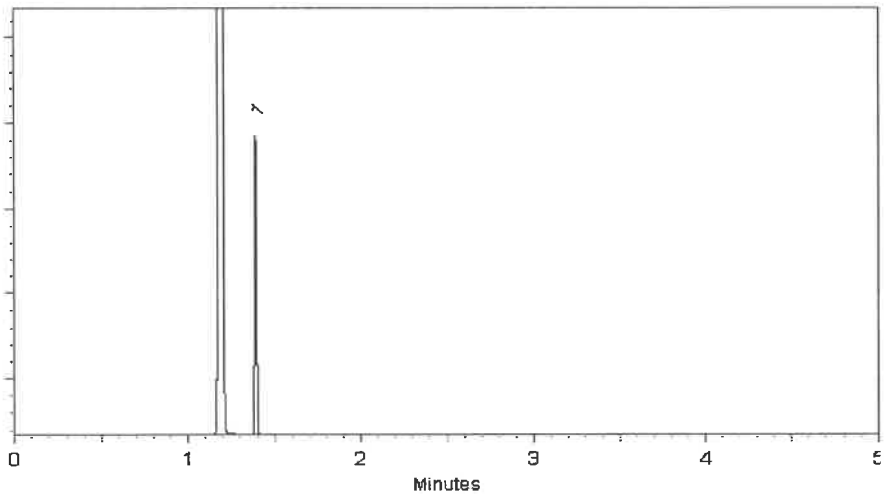
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0200655

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11795 ↓ S11808 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	2,007.0 µg/mL	+/- 24.9775

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

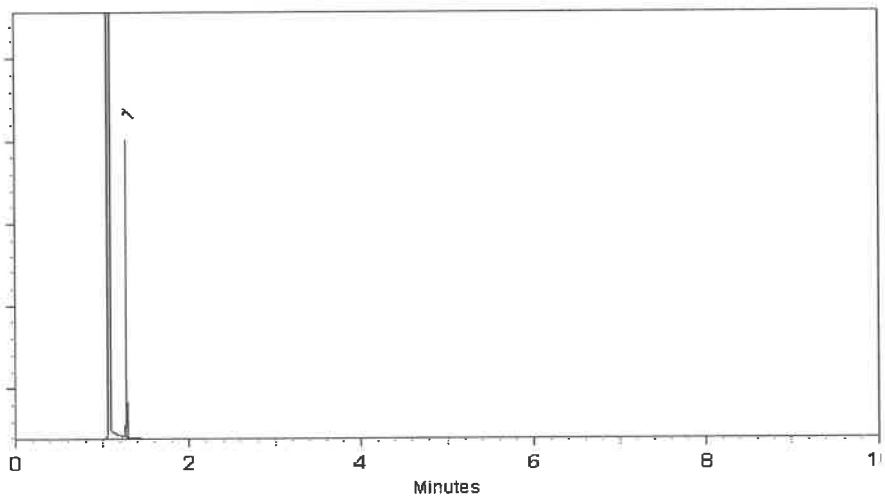
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 06-Aug-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0200655

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11795 ↓ S11808 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	2,007.0 µg/mL	+/- 24.9775

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

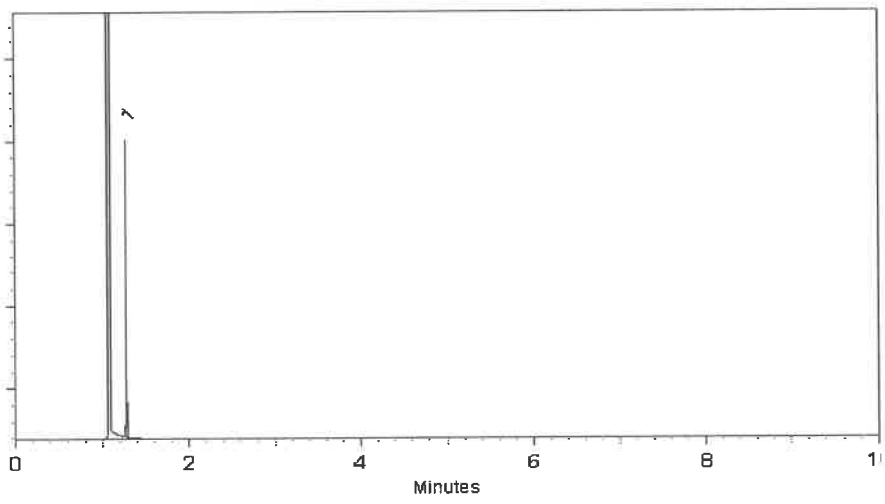
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 06-Aug-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

S12187 ↓ S12206 } RC/ 03/18/24

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

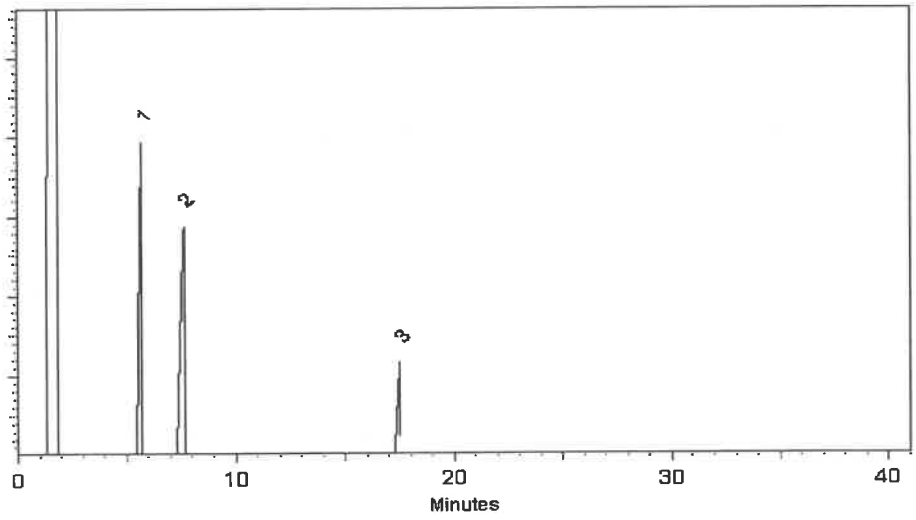
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

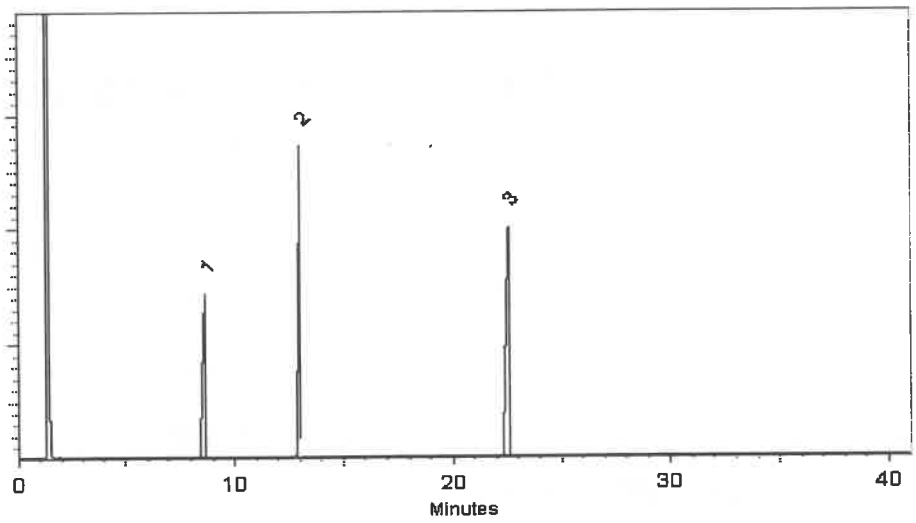
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30409 **Lot No.:** A0206650

Description : Pyridine Standard

Pyridine 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

S12242 ↓ S12254 RC/ 5/15/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	2,020.0 µg/mL	+/- 33.0924

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

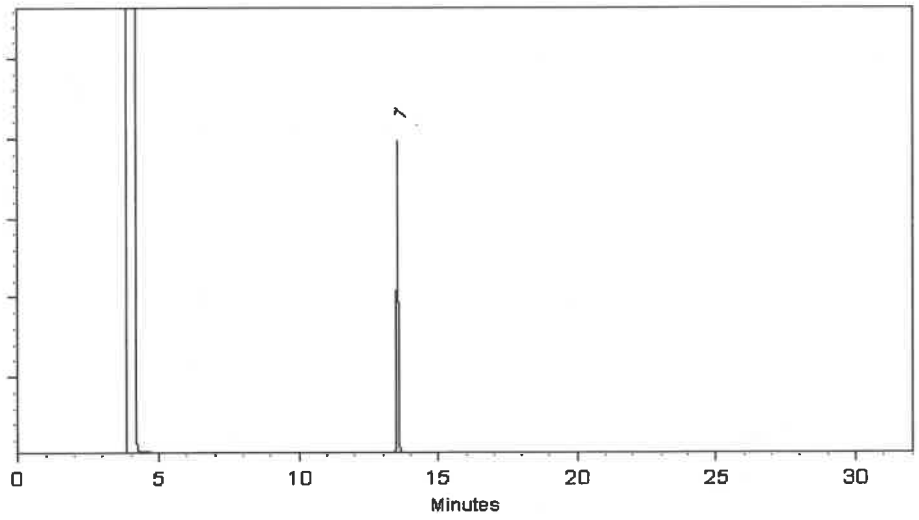
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 16-Jan-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

S12302 ↓ S12311 RC 5/30/24

Catalog No. : 31902 **Lot No.:** A0206859

Description : Additions Standard

Additions Standard 1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.5419
2	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.8 µg/mL	+/- 29.6521
3	Atrazine	1912-24-9	5FYWL	99%	1,008.8 µg/mL	+/- 29.6521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

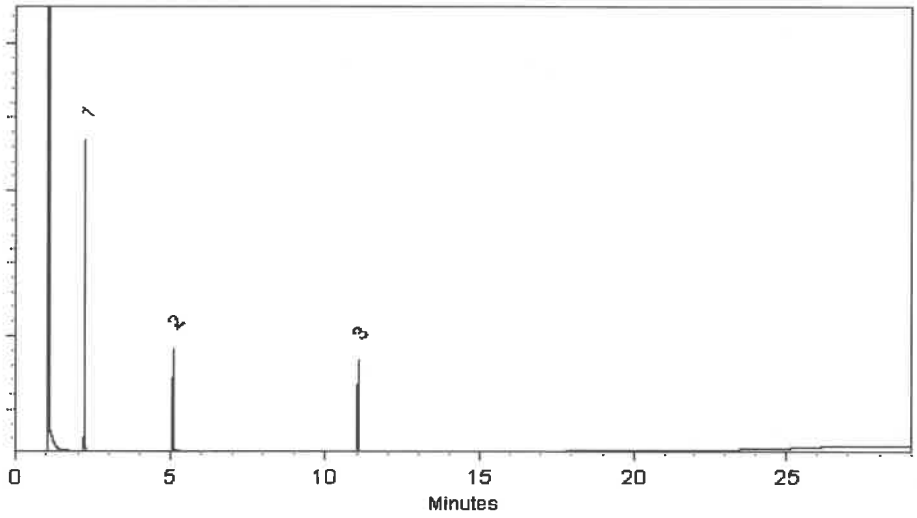
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 23-Jan-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 31615 **Lot No.:** A0212955

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,004.5 µg/mL	+/- 44.8902
2	DFTPP (Decafluorotriphenylphosphine)	5074-71-5	Q117-147	99%	1,004.5 µg/mL	+/- 44.8902
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 44.9572
4	4,4'-DDT	50-29-3	S240530RSR	97%	1,000.1 µg/mL	+/- 44.6922

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12577 ↓ S12579 RC 8/2/24

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

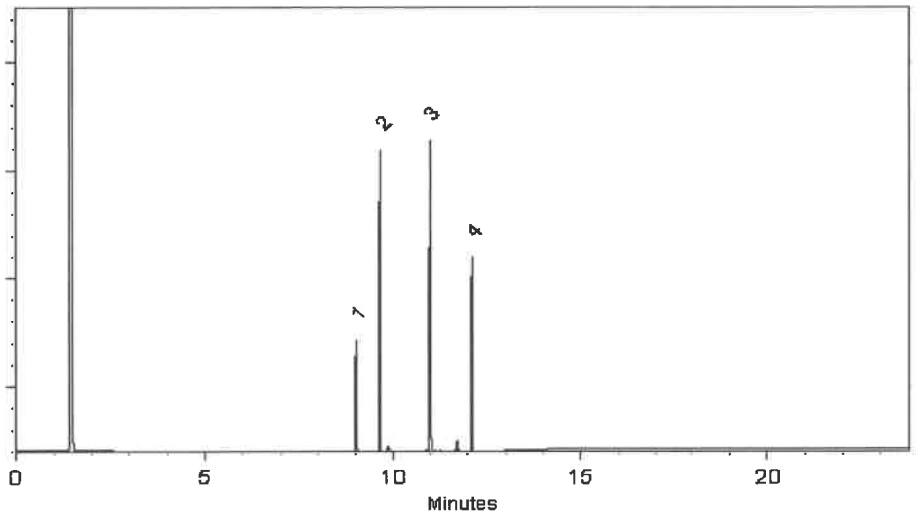
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 19-Jun-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 26-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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CERTIFIED REFERENCE MATERIAL

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Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic plus

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

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Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31900 **Lot No.:** A0215529

Description : OLM 01.1 Revised SV MegaMix

OLM 01.1 Revised SV MegaMix 500-1000 µg/mL, Methylene chloride, 1mL/ampul

S12736 ↓ S12754 AC 10/9/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Phenol	108-95-2	MKCK1120	99%	1,008.6 µg/mL	+/- 19.3211
2	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,002.3 µg/mL	+/- 19.2013
3	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.2 µg/mL	+/- 19.2564
4	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,006.3 µg/mL	+/- 19.2768
5	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,009.3 µg/mL	+/- 19.3354
6	Acetophenone	98-86-2	STBH8205	99%	1,003.8 µg/mL	+/- 18.5851
7	Hexachloroethane	67-72-1	QTORH	99%	1,000.6 µg/mL	+/- 19.1690
8	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.5 µg/mL	+/- 19.2599
9	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	500.3 µg/mL	+/- 9.5854
10	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 9.6213
11	Nitrobenzene	98-95-3	10224044	99%	1,003.2 µg/mL	+/- 19.2181
12	Isophorone	78-59-1	MKCC9506	99%	1,007.0 µg/mL	+/- 19.2911
13	2-Nitrophenol	88-75-5	RP230509C	99%	1,003.4 µg/mL	+/- 19.2217
14	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,008.1 µg/mL	+/- 19.3115
15	Bis(2-chloroethoxy)methane	111-91-1	15174900	99%	1,002.3 µg/mL	+/- 19.2001
16	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,002.3 µg/mL	+/- 19.2001

17	Naphthalene	91-20-3	STBL1057	99%	1,003.6	µg/mL	+/- 19.2253
18	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.5	µg/mL	+/- 19.2791
19	Hexachlorobutadiene	87-68-3	RP240110CTH	97%	1,003.9	µg/mL	+/- 19.2316
20	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,005.1	µg/mL	+/- 19.2718
21	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.8	µg/mL	+/- 19.2301
22	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,000.5	µg/mL	+/- 19.1832
23	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 19.1811
24	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.1	µg/mL	+/- 19.2349
25	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,008.6	µg/mL	+/- 19.3221
26	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,002.3	µg/mL	+/- 19.2001
27	Biphenyl	92-52-4	MKCS5928	99%	1,001.3	µg/mL	+/- 18.5388
28	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,000.5	µg/mL	+/- 19.1832
29	Acenaphthylene	208-96-8	214935V16F	97%	999.9	µg/mL	+/- 19.1561
30	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.8	µg/mL	+/- 19.2672
31	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,001.2	µg/mL	+/- 19.1798
32	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 19.1570
33	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,005.5	µg/mL	+/- 19.2791
34	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,008.8	µg/mL	+/- 19.3259
35	Dibenzofuran	132-64-9	MKCD9952	99%	1,002.5	µg/mL	+/- 18.5619
36	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,002.5	µg/mL	+/- 19.2049
37	4-Nitrophenol	100-02-7	RP230627	99%	1,004.4	µg/mL	+/- 19.2421
38	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,001.5	µg/mL	+/- 19.2024
39	Fluorene	86-73-7	10241100	99%	1,004.2	µg/mL	+/- 19.2373
40	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.0	µg/mL	+/- 19.2145
41	Diethylphthalate	84-66-2	BCCJ6241	99%	1,002.1	µg/mL	+/- 19.1978
42	4-Nitroaniline	100-01-6	RP240510RSR	99%	1,005.0	µg/mL	+/- 19.2695
43	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S240410RSR	99%	1,001.1	µg/mL	+/- 19.1786
44	Diphenylamine	122-39-4	MKCT1512	99%	1,004.5	µg/mL	+/- 19.2599
45	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.9	µg/mL	+/- 19.2708
46	Hexachlorobenzene	118-74-1	15458400	99%	1,009.2	µg/mL	+/- 19.3331
47	Pentachlorophenol	87-86-5	RP240411RSR	99%	1,008.9	µg/mL	+/- 19.3283
48	Phenanthrene	85-01-8	MKCS5188	99%	1,006.2	µg/mL	+/- 19.2756
49	Anthracene	120-12-7	101492T18R	99%	1,001.6	µg/mL	+/- 19.1882
50	Carbazole	86-74-8	15276700	99%	1,004.0	µg/mL	+/- 19.2503
51	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,002.5	µg/mL	+/- 19.2049
52	Fluoranthene	206-44-0	MKCQ4728	99%	1,008.7	µg/mL	+/- 19.3235

53	Pyrene	129-00-0	BCCK2592	99%	1,002.9	µg/mL	+/-	19.2121
54	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.6	µg/mL	+/-	19.2444
55	Benz(a)anthracene	56-55-3	I50012022BAA	99%	1,009.1	µg/mL	+/-	19.3307
56	Chrysene	218-01-9	RP240719RSR	99%	1,005.9	µg/mL	+/-	19.2708
57	3,3'-Dichlorobenzidine	91-94-1	S231019RSR	99%	1,001.5	µg/mL	+/-	19.2024
58	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,006.3	µg/mL	+/-	19.2768
59	Di-n-octyl phthalate	117-84-0	15276800	99%	1,008.9	µg/mL	+/-	19.3283
60	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,006.4	µg/mL	+/-	19.2792
61	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,001.9	µg/mL	+/-	19.1942
62	Benzo(a)pyrene	50-32-8	O45GL	98%	1,003.9	µg/mL	+/-	19.2327
63	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,003.7	µg/mL	+/-	19.2281
64	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,004.2	µg/mL	+/-	19.2373
65	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	1,001.5	µg/mL	+/-	19.1863

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 90494
Lot Number: 061323
Description: 1-Methylnaphthalene

Expiration Date: 061328
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

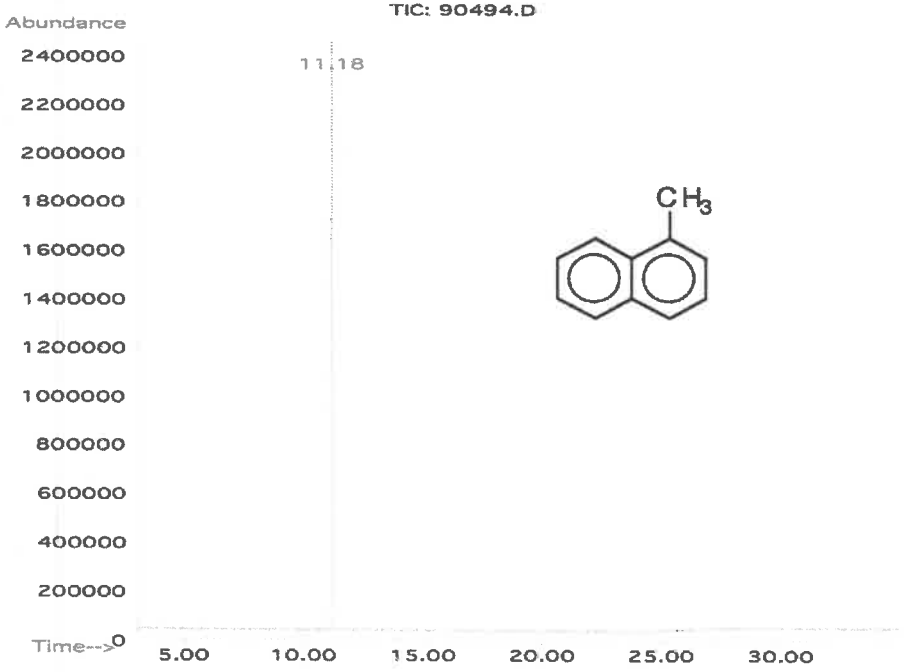
Solvent(s): **Lot#**
Methylene chloride C21F09CAS0000DCM

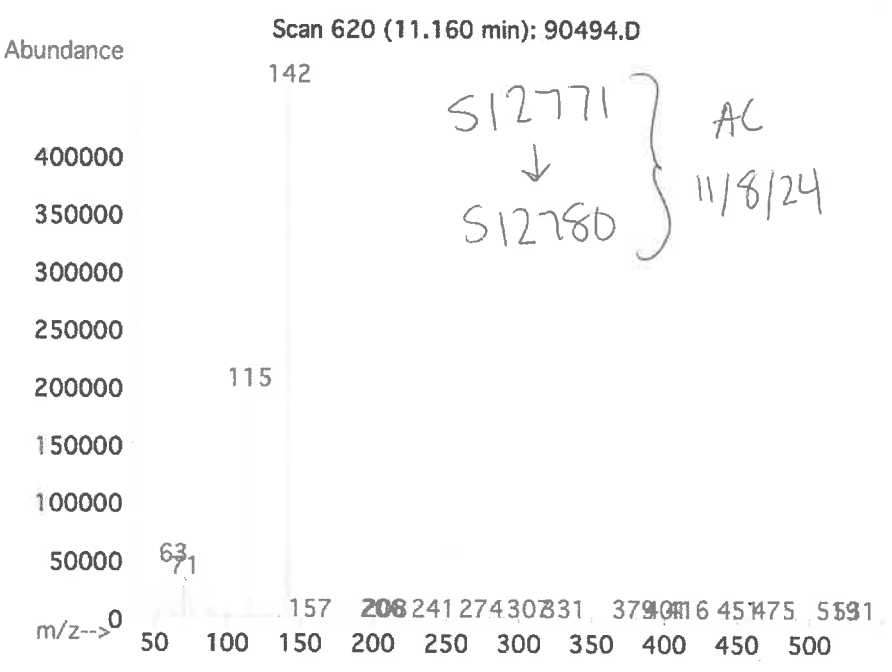
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.031 Flask Uncertainty

Formulated By:	Prashant Chauhan	061323 DATE
Reviewed By:	Pedro L. Rentas	061323 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 1-Methylnaphthalene	313	04413BX	2000	98	0.2	0.20417	0.20430	2001.2	8.3	90-12-0	N/A	orl-rat 1840mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Gina McLane.





S12771 ↓ S12780 } AC 11/8/24

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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Certificate of Analysis

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Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555871 **Lot No.:** A0226283

Description : Custom 4-Nitrophenol Standard

Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

S13158 ↓ S13167 } RC/ 6/4/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	4-Nitrophenol	100-02-7	20241120-1-AN	99%	25,192.0 µg/mL	+/- 783.0517

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Morgan Craighead - Mix Technician

Date Mixed: 02-Jun-2025 **Balance:** C322230531

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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chromatographic plus

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0224359

S13168 ↓ S13197 AC 6/9/25

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.0 µg/mL	+/- 90.0812
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.8 µg/mL	+/- 90.1187
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.8 µg/mL	+/- 90.1187
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.0 µg/mL	+/- 90.0812
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.8 µg/mL	+/- 90.1187
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.0 µg/mL	+/- 90.0812

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Testing Laboratory
Certificate #3222.02

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

S13198 ↓ S13207 } AC 6/11/25

Catalog No. : 555868 **Lot No.:** A0226493

Description : Custom Benzidine Standard

Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2028 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzidine	92-87-5	S250227ECS	99%	25,004.0 µg/mL	+/- 495.8040

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Laith Clemente - Operations Technician I

Date Mixed: 09-Jun-2025 **Balance:** 1122030677

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31879 **Lot No.:** A0221395

Description : Benzoic Acid Mix

Benzoic Acid 2000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2029 **Storage:** 10°C or colder

Ship: Ambient

S13214 ↓ S13218 AC 7/10/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzoic acid	65-85-0	MKCR2694	99%	2,002.2 µg/mL	+/- 60.5426

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 582978 **Lot No.:** A0228192

513229 ↓ 513238 } RC/ 8/1/25

Description : Custom Calibration Standard - C8

Custom Calibration Standard - C8 2,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	2,000.0 µg/mL	+/- 35.7537
2	Aniline	62-53-3	X22F726	99%	2,002.5 µg/mL	+/- 35.7984
3	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	2,005.0 µg/mL	+/- 35.8431
4	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	2,005.0 µg/mL	+/- 35.8431
5	Benzyl alcohol	100-51-6	094986W07G	99%	2,015.0 µg/mL	+/- 36.0218
6	1,2-Dichlorobenzene	95-50-1	SHBR4446	99%	2,015.0 µg/mL	+/- 36.0218
7	1,2,4-Trichlorobenzene	120-82-1	SHBR1701	99%	2,020.0 µg/mL	+/- 36.1112
8	Azobenzene	103-33-3	BCCL3292	99%	2,005.0 µg/mL	+/- 35.8431

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

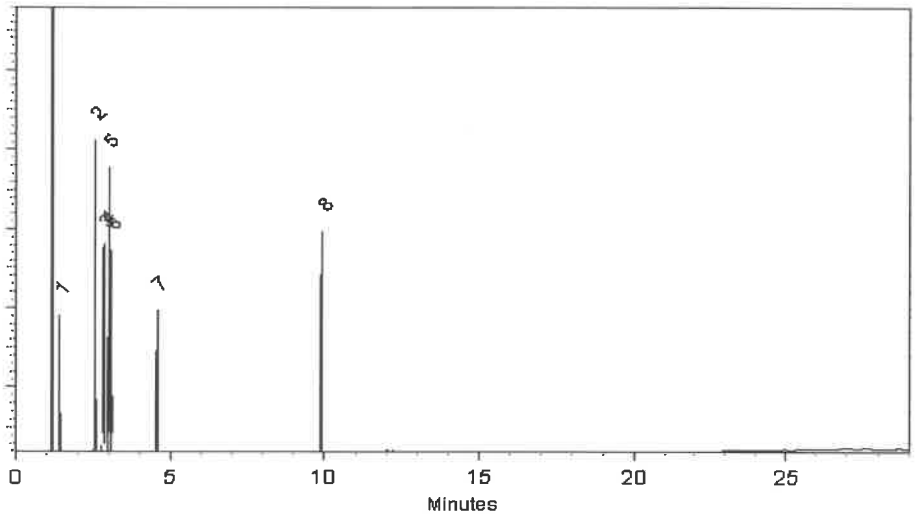
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Wilner Torres - Operation Tech I **Date Mixed:** 27-Jul-2025 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 30-Jul-2025 REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555869 **Lot No.:** A0201702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

513148 ↓ 513157 RC 11/13/23

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	25,244.0 µg/mL	+/- 450.6896

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Brittany Federinko - Operations Tech I

Date Mixed: 05-Sep-2023 **Balance:** B707717271

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

SHIPPING DOCUMENTS

Q 2879

Chemtech

Phone: (908) 789-8900
Fax: (908) 789-8922
284 Sheffield Street, Mountainside, NJ 07092

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 4_01/08/2020

Company Name:	Nobis Group
Address:	55 Technology Dr Suite 101, Lowell, MA 01851
Phone:	978-703-6014
Project Name:	Raymark
Project Location:	Stratford, CT
Project Number:	95700
Project Manager:	Adam Roy
Con-Test Quote Name/Numbe	
Invoice Recipient:	
Sampled By:	A. Brittingham

Requested Turnaround Time
5-Day [X] 10-Day [ ]
PFAS 10-Day (std) [ ] Due Date:

Rush-Approval Required
1-Day [ ] 3-Day [✓]
2-Day [ ] 4-Day [ ]

Data Delivery
Format: PDF [✓] EXCEL [✓]
Other:
CLP Like Data Pkg Required: [ ] No
Email To: aroy@nobis-group.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET [✓]
NON SOXHLET [ ]

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1] Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	M/O	RCP VOCs	% Solids	PAHs	Herbicides	Pesticides	PCBs	Metals ICP + Hg - 6010	Cyanide	SPLP RCP Metals - 6020
	OU4-TS-Grillo-TSCP03-081425	8/14/25	11:30	G	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-Grillo-TSCP04-081425	8/14/25	11:35	G	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-Grillo-TSCP05-081425	8/14/25	11:40	G	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-Grillo-TSCP06-081425	8/14/25	11:45	G	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-Grillo-TSCP07-081425	8/14/25	11:50	G	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-Grillo-TSCP08-081425	8/14/25	11:55	G	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-Grillo-TSCP09-081425	8/14/25	12:00	G	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-Grillo-TSCP10-081425	8/14/25	12:05	G	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-Grillo-TSCP11-081425	8/14/25	12:10	G	SO		3	2	1				X	X	X	X	X	X	X	X	X

[2] Preservation Code

Total Number Of:
VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N

Glassware in freezer? Y / N

Prepackaged Cooler? Y / N

*Contest is not responsible for missing samples from prepacked coolers

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Relinquished by: (signature)	Date/Time:	8/15 9:09
Received by: (signature)	Date/Time:	8/15 9:09
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Client Comments:
3.2

Detection Limit Requirements
MA
CT
Other:

Special Requirements
[ ] MA MCP Required
MCP Certification Form Required
[✓] CT RCP Required
RCP Certification Form Required
[ ] MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government [ ] Municipality [ ] MWRA [ ] WRTA [ ]
Federal [ ] 21 J [ ] School [ ]
City [ ] Brownfield [ ] MBTA [ ]

Other
[ ] Chromatogram
[ ] AIHA-LAP,LLC

Lab Comments:

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2879 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 8/15/2025 9:15:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 8/15/2025 9:09:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2879-01	OU4-TS-GRILLO-TSCP03-081425	Solid	08/14/2025	11:30					
					VOCMS Group3		8260D		5 Bus. Days
Q2879-03	OU4-TS-GRILLO-TSCP04-081425	Solid	08/14/2025	11:35					
					VOCMS Group3		8260D		5 Bus. Days
Q2879-05	OU4-TS-GRILLO-TSCP05-081425	Solid	08/14/2025	11:40					
					VOCMS Group3		8260D		5 Bus. Days
Q2879-07	OU4-TS-GRILLO-TSCP06-081425	Solid	08/14/2025	11:45					
					VOCMS Group3		8260D		5 Bus. Days
Q2879-09	OU4-TS-GRILLO-TSCP07-081425	Solid	08/14/2025	11:50					
					VOCMS Group3		8260D		5 Bus. Days
Q2879-11	OU4-TS-GRILLO-TSCP08-081425	Solid	08/14/2025	11:55					
					VOCMS Group3		8260D		5 Bus. Days
Q2879-13	OU4-TS-GRILLO-TSCP09-081425	Solid	08/14/2025	12:00					
					VOCMS Group3		8260D		5 Bus. Days
Q2879-15	OU4-TS-GRILLO-TSCP10-081425	Solid	08/14/2025	12:05					

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2879 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 8/15/2025 9:15:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 8/15/2025 9:09:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD		FAX DATE	DUE DATES
					VOCMS Group3		8260D	5 Bus. Days		
Q2879-17	OU4-TS-GRILLO-TSCP11-081425	Solid	08/14/2025	12:10						
					VOCMS Group3		8260D	5 Bus. Days		

Relinguished By :
Date / Time : 8/15/25 1230

Received By : Sam
Date / Time : 8/15/25 1230

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143418.D
Acq On : 15 Aug 2025 15:28
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Aug 15 18:25:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	126172	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	489700	20.000	ng		0.00
39) Acenaphthene-d10	9.963	164	268983	20.000	ng		0.00
64) Phenanthrene-d10	11.445	188	437552	20.000	ng		0.00
76) Chrysene-d12	14.086	240	267863	20.000	ng		0.00
86) Perylene-d12	15.574	264	237224	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.557	112	147543	20.328	ng		0.00
7) Phenol-d6	6.551	99	188455	20.603	ng		0.00
23) Nitrobenzene-d5	7.481	82	162906	19.740	ng		0.00
42) 2,4,6-Tribromophenol	10.745	330	47446	19.817	ng		0.00
45) 2-Fluorobiphenyl	9.281	172	360367	22.534	ng		0.00
79) Terphenyl-d14	13.022	244	341694	21.429	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.722	88	35300	10.104	ng		97
3) Pyridine	3.522	79	86732	9.465	ng		99
4) n-Nitrosodimethylamine	3.434	42	40435	9.494	ng	#	98
6) Aniline	6.587	93	124989	10.065	ng		98
8) 2-Chlorophenol	6.716	128	81382	10.156	ng		98
9) Benzaldehyde	6.475	77	65816	13.525	ng		99
10) Phenol	6.569	94	110158	10.320	ng		93
11) bis(2-Chloroethyl)ether	6.651	93	79743	10.079	ng		98
12) 1,3-Dichlorobenzene	6.869	146	93323	10.397	ng		99
13) 1,4-Dichlorobenzene	6.945	146	93524	10.436	ng		99
14) 1,2-Dichlorobenzene	7.098	146	89646	10.473	ng		98
15) Benzyl Alcohol	7.063	79	64998	9.636	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.192	45	142528	10.537	ng		99
17) 2-Methylphenol	7.175	107	65382	10.000	ng		97
18) Hexachloroethane	7.440	117	30528	10.008	ng		99
19) n-Nitroso-di-n-propyla...	7.328	70	59208	10.456	ng		99
20) 3+4-Methylphenols	7.328	107	83322	10.659	ng		91
22) Acetophenone	7.328	105	112365	10.672	ng		100
24) Nitrobenzene	7.498	77	84934	9.847	ng		98
25) Isophorone	7.739	82	157251	9.956	ng		99
26) 2-Nitrophenol	7.822	139	36495	9.127	ng		99
27) 2,4-Dimethylphenol	7.857	122	70092	10.368	ng		97
28) bis(2-Chloroethoxy)met...	7.951	93	99022	10.200	ng		100
29) 2,4-Dichlorophenol	8.069	162	68826	9.987	ng		99
30) 1,2,4-Trichlorobenzene	8.151	180	73076	10.349	ng		96
31) Naphthalene	8.228	128	241652	10.394	ng		100
32) Benzoic acid	7.951	122	20067	5.735	ng		89
33) 4-Chloroaniline	8.275	127	86081	10.258	ng		98
34) Hexachlorobutadiene	8.351	225	45348	10.071	ng		97
35) Caprolactam	8.610	113	18911	9.531	ng		96
36) 4-Chloro-3-methylphenol	8.751	107	71072	10.013	ng		100
37) 2-Methylnaphthalene	8.922	142	166073	10.598	ng		100
38) 1-Methylnaphthalene	9.016	142	159110	10.597	ng		99
40) 1,2,4,5-Tetrachloroben...	9.086	216	78936	10.523	ng		98
41) Hexachlorocyclopentadiene	9.075	237	11930	10.597	ng		98
43) 2,4,6-Trichlorophenol	9.198	196	45852	9.798	ng		99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143418.D
Acq On : 15 Aug 2025 15:28
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Aug 15 18:25:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.239	196	48096	9.588	ng	95
46) 1,1'-Biphenyl	9.381	154	204923	10.843	ng	98
47) 2-Chloronaphthalene	9.404	162	157909	10.585	ng	98
48) 2-Nitroaniline	9.498	65	42604	9.597	ng	99
49) Acenaphthylene	9.822	152	225908	10.488	ng	99
50) Dimethylphthalate	9.669	163	173912	10.371	ng	100
51) 2,6-Dinitrotoluene	9.733	165	30248	9.150	ng	95
52) Acenaphthene	9.992	154	151452	10.454	ng	99
53) 3-Nitroaniline	9.904	138	35157	9.547	ng	94
54) 2,4-Dinitrophenol	10.022	184	7904	10.543	ng	95
55) Dibenzofuran	10.163	168	224434	10.739	ng	100
56) 4-Nitrophenol	10.081	139	17626	7.613	ng	94
57) 2,4-Dinitrotoluene	10.139	165	41418	9.397	ng	96
58) Fluorene	10.510	166	177326	11.045	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.286	232	35679	9.397	ng	97
60) Diethylphthalate	10.369	149	165814	10.700	ng	99
61) 4-Chlorophenyl-phenyle...	10.498	204	85166	10.729	ng	99
62) 4-Nitroaniline	10.510	138	34292	9.957	ng	98
63) Azobenzene	10.657	77	162818	10.395	ng	99
65) 4,6-Dinitro-2-methylph...	10.551	198	15949	7.065	ng	92
66) n-Nitrosodiphenylamine	10.610	169	145957	10.259	ng	99
67) 4-Bromophenyl-phenylether	10.986	248	51111	9.892	ng	97
68) Hexachlorobenzene	11.057	284	55212	10.051	ng	98
69) Atrazine	11.133	200	41393	9.947	ng	99
70) Pentachlorophenol	11.257	266	16946	6.949	ng	95
71) Phenanthrene	11.469	178	252765	10.668	ng	100
72) Anthracene	11.522	178	253551	10.595	ng	100
73) Carbazole	11.675	167	217667	10.754	ng	99
74) Di-n-butylphthalate	11.998	149	209808	10.409	ng	100
75) Fluoranthene	12.657	202	236882	11.251	ng	99
77) Benzidine	12.774	184	85270	11.245	ng	99
78) Pyrene	12.886	202	243992	10.480	ng	98
80) Butylbenzylphthalate	13.498	149	49871	8.648	ng	98
81) Benzo(a)anthracene	14.074	228	170857	10.019	ng	99
82) 3,3'-Dichlorobenzidine	14.033	252	40733	8.158	ng	97
83) Chrysene	14.110	228	158897	10.079	ng	98
84) Bis(2-ethylhexyl)phtha...	14.057	149	65928	8.050	ng	98
85) Di-n-octyl phthalate	14.668	149	123077	7.410	ng	99
87) Indeno(1,2,3-cd)pyrene	17.086	276	181838	10.222	ng	99
88) Benzo(b)fluoranthene	15.133	252	118835	9.347	ng	99
89) Benzo(k)fluoranthene	15.163	252	137759	10.985	ng	99
90) Benzo(a)pyrene	15.510	252	120666	9.964	ng	99
91) Dibenzo(a,h)anthracene	17.098	278	148583	10.401	ng	99
92) Benzo(g,h,i)perylene	17.539	276	144617	10.133	ng	99

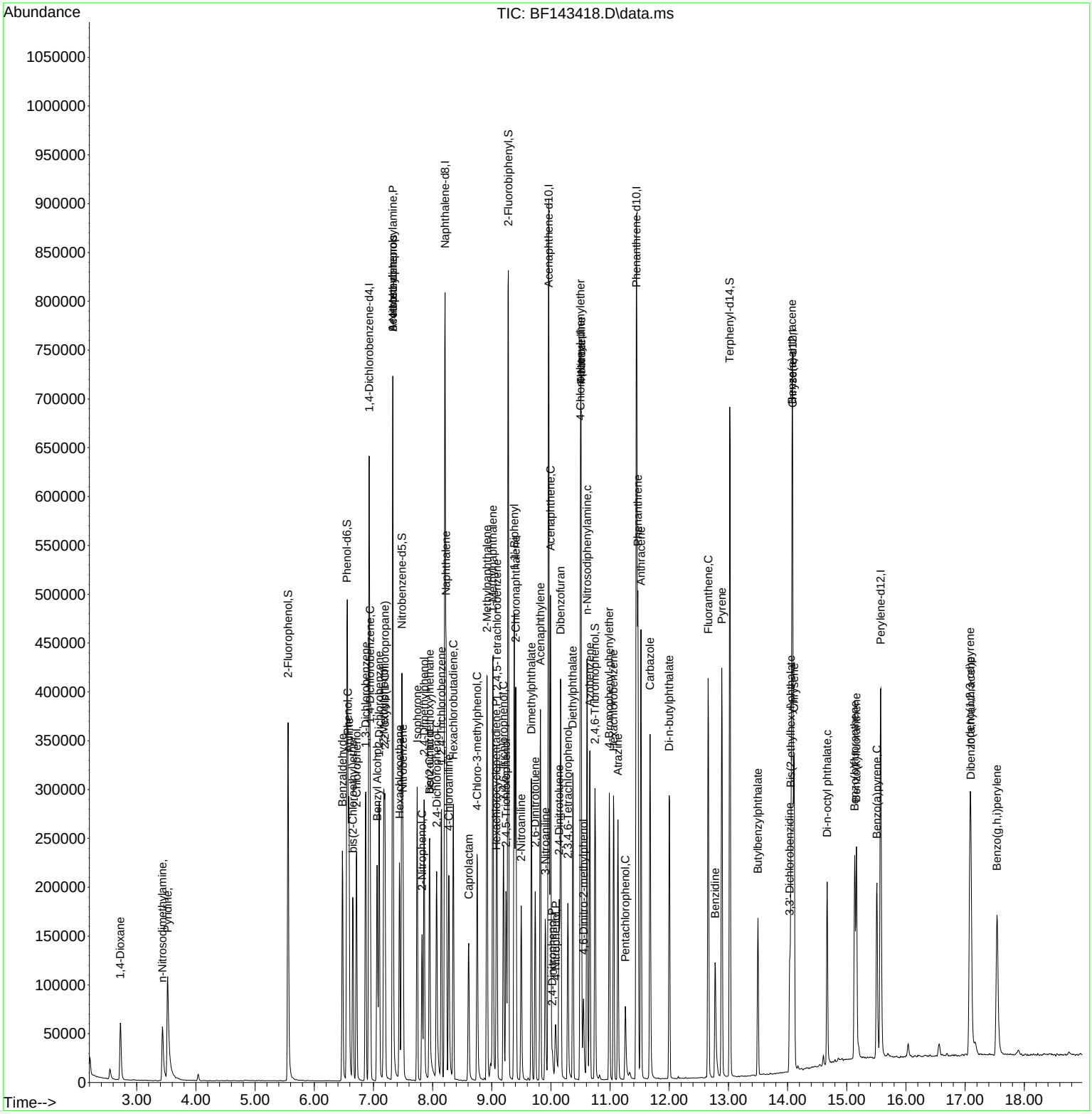
(#) = qualifier out of range (m) = manual integration (+) = signals summed

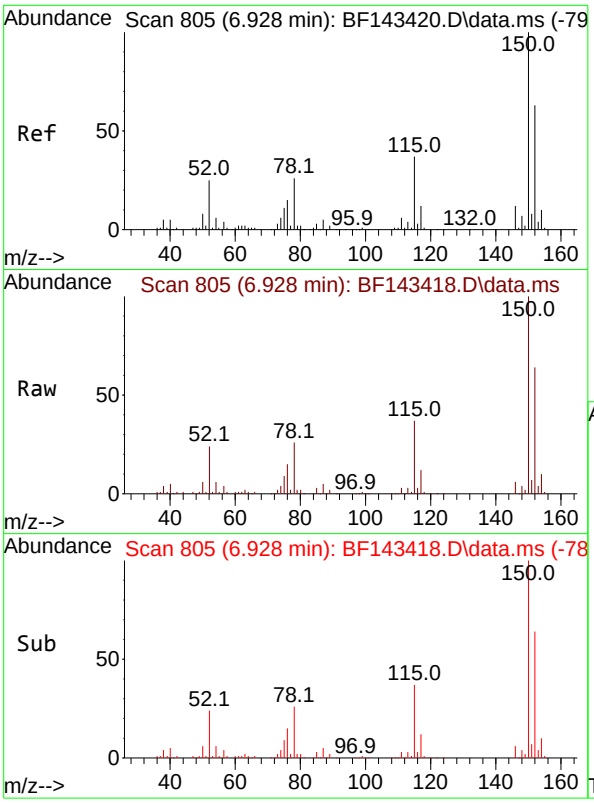
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143418.D
Acq On : 15 Aug 2025 15:28
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Aug 15 18:25:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration



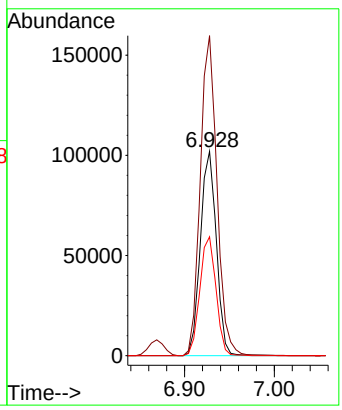


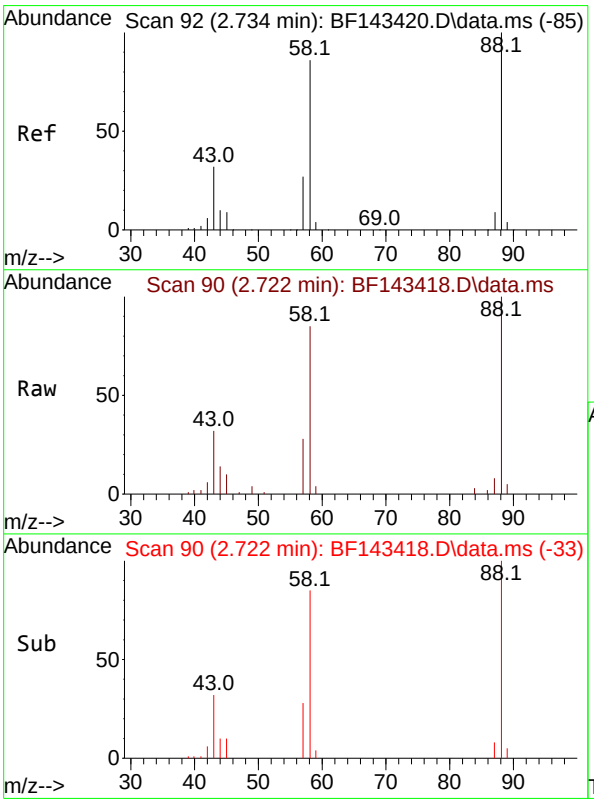
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 126172

Ion	Ratio	Lower	Upper
152	100		
150	156.7	127.4	191.2
115	58.2	47.5	71.3

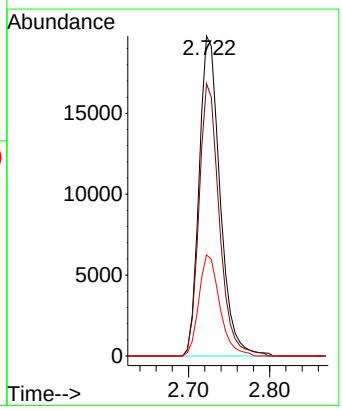


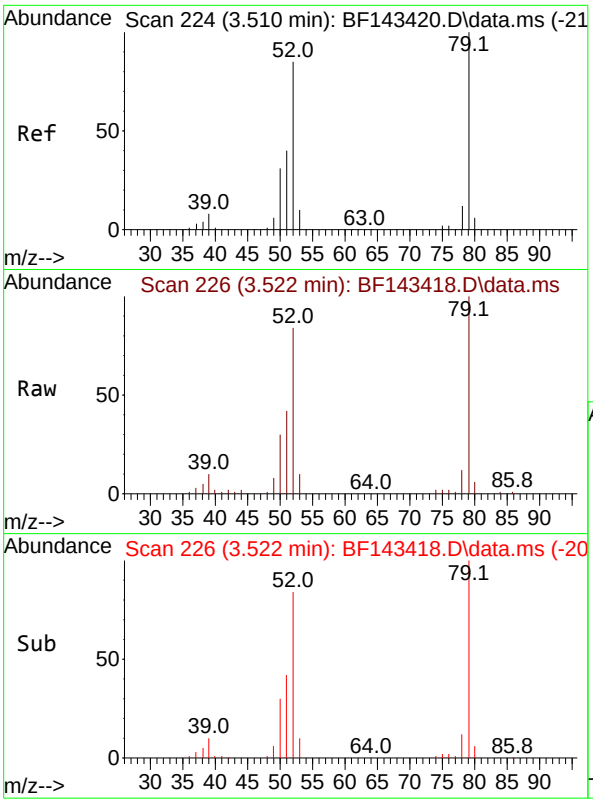


#2
1,4-Dioxane
Concen: 10.104 ng
RT: 2.722 min Scan# 90
Delta R.T. -0.012 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 88 Resp: 35300

Ion	Ratio	Lower	Upper
88	100		
58	82.8	68.7	103.1
43	31.6	26.1	39.1



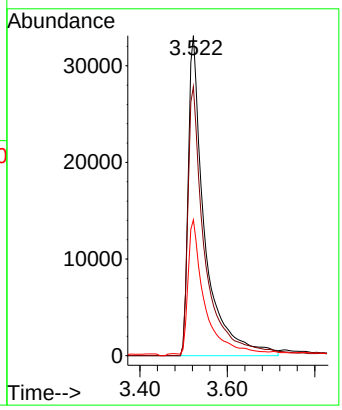


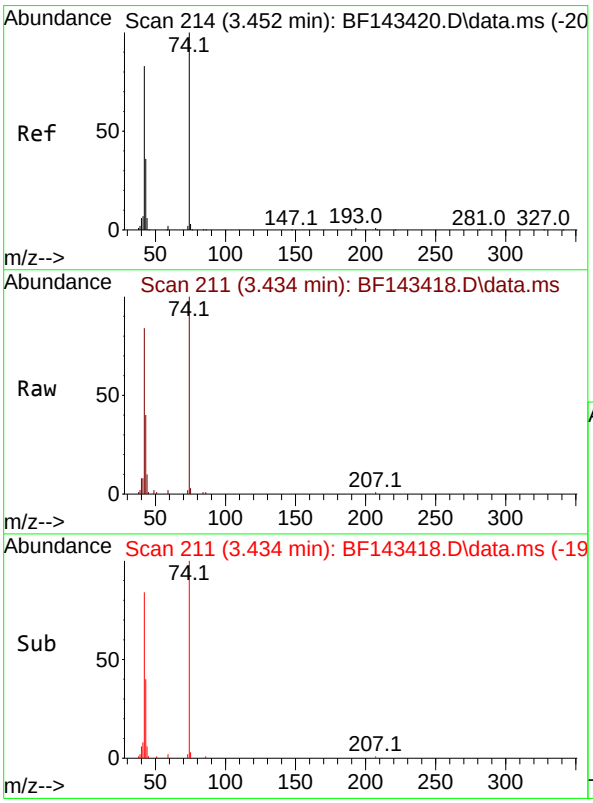
#3
Pyridine
Concen: 9.465 ng
RT: 3.522 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 86732

Ion	Ratio	Lower	Upper
79	100		
52	84.1	67.7	101.5
51	42.4	32.3	48.5

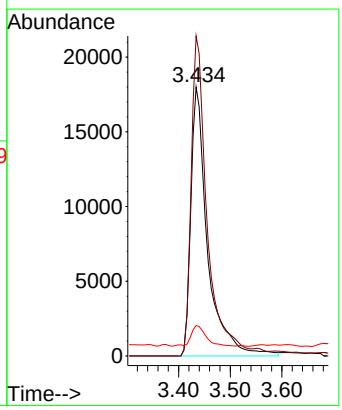


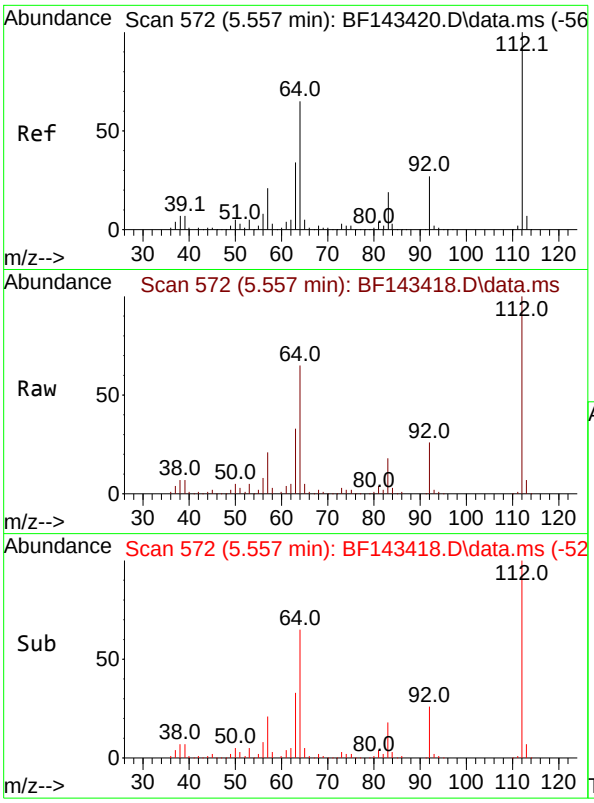


#4
n-Nitrosodimethylamine
Concen: 9.494 ng
RT: 3.434 min Scan# 211
Delta R.T. -0.018 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 42 Resp: 40435

Ion	Ratio	Lower	Upper
42	100		
74	119.0	96.2	144.4
44	11.3	5.9	8.9#



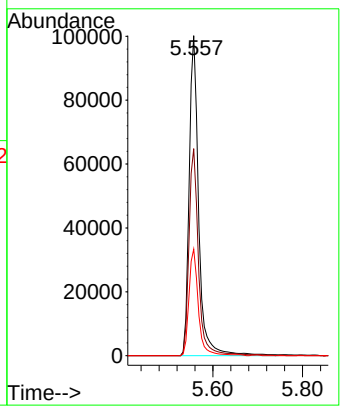


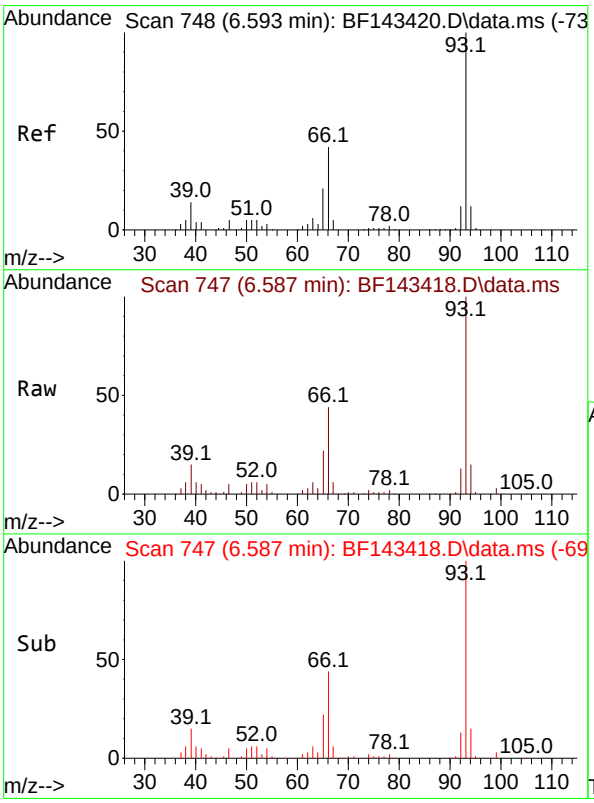
#5
2-Fluorophenol
Concen: 20.328 ng
RT: 5.557 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 147543

Ion	Ratio	Lower	Upper
112	100		
64	64.7	52.2	78.2
63	33.3	27.0	40.6

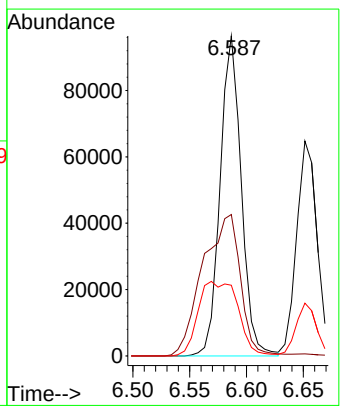


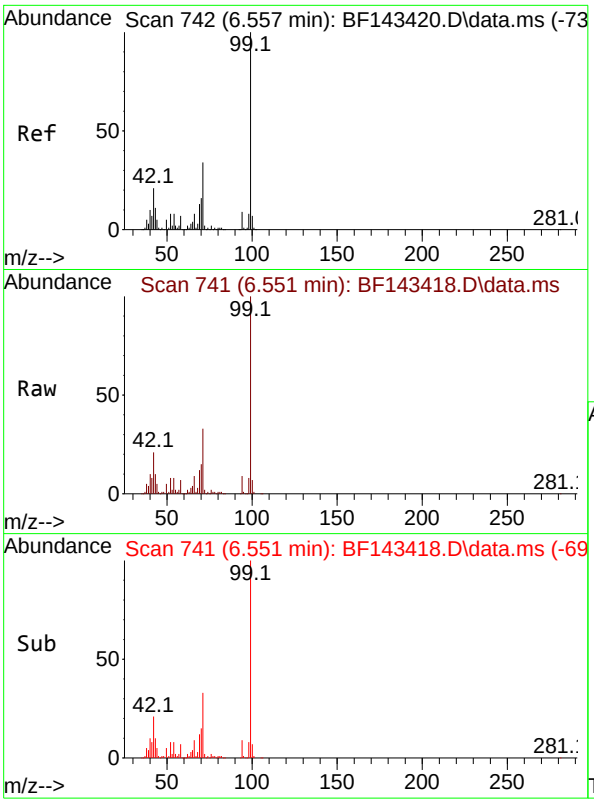


#6
Aniline
Concen: 10.065 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 93 Resp: 124989

Ion	Ratio	Lower	Upper
93	100		
66	44.2	33.8	50.8
65	22.1	17.2	25.8



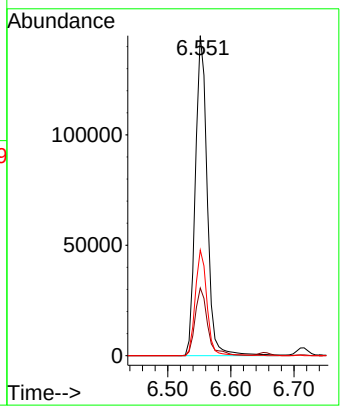


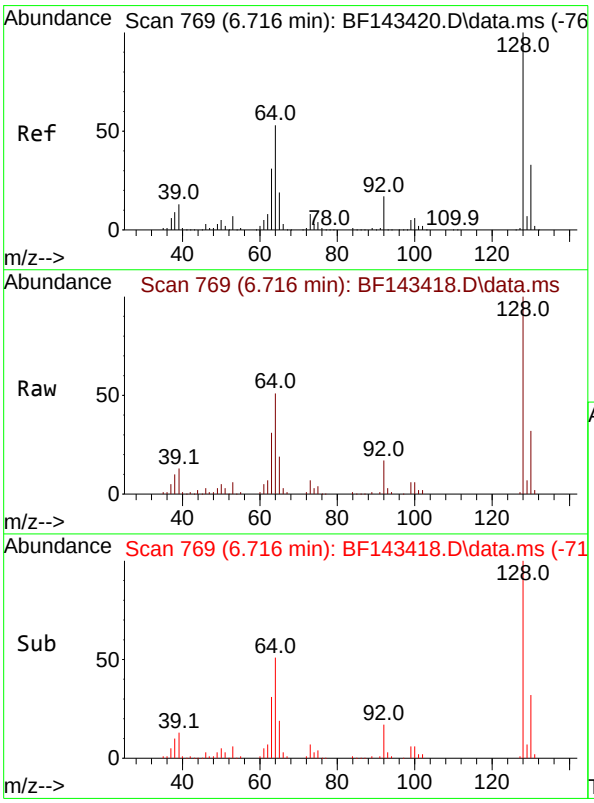
#7
Phenol-d6
Concen: 20.603 ng
RT: 6.551 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 188455

Ion	Ratio	Lower	Upper
99	100		
42	21.1	17.0	25.6
71	33.0	27.4	41.2

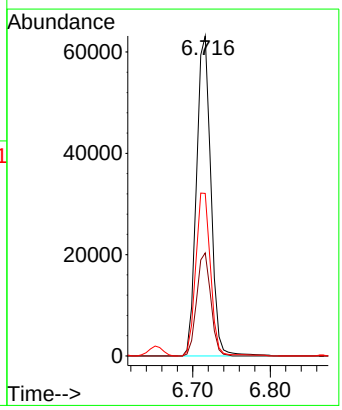


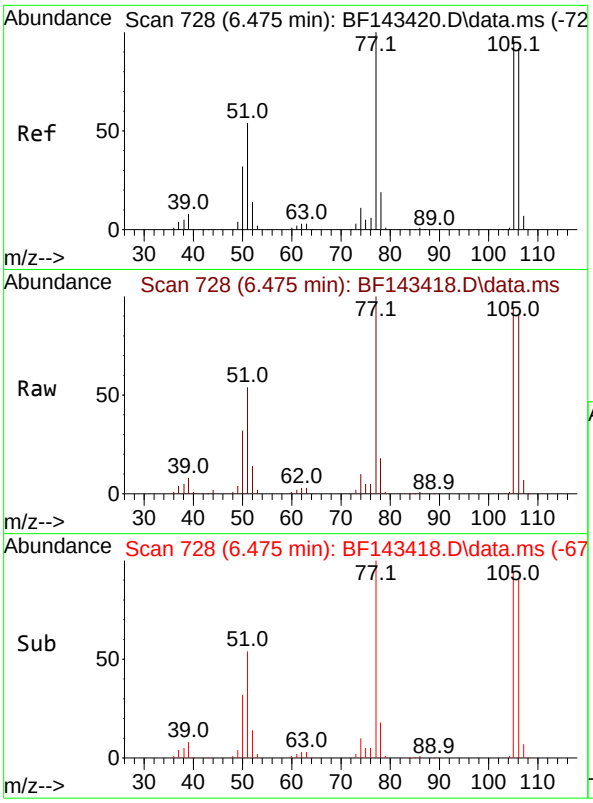


#8
2-Chlorophenol
Concen: 10.156 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:128 Resp: 81382

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.9	52.9
64	50.8	33.1	73.1



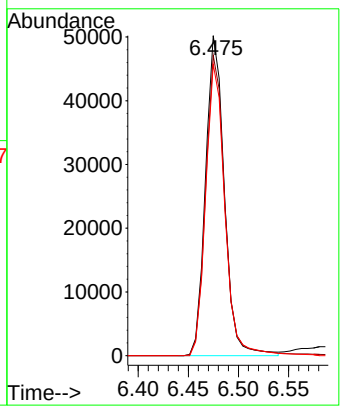


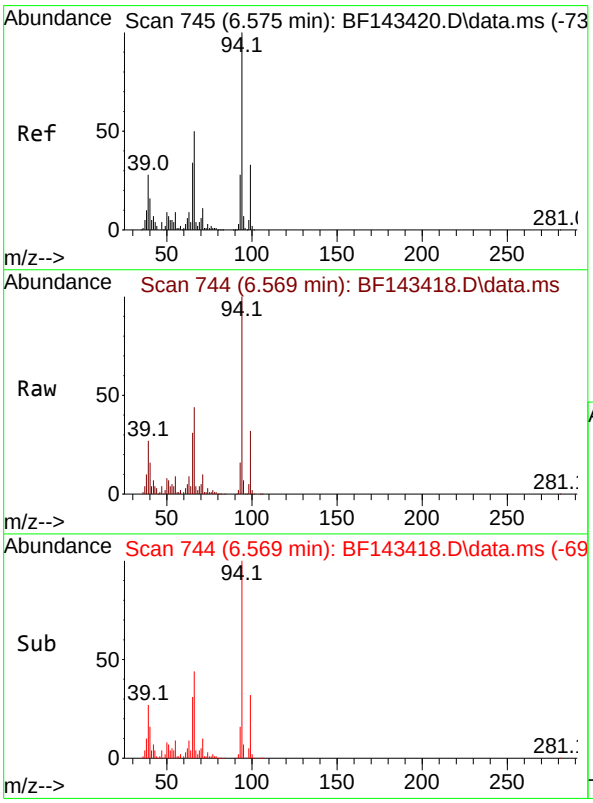
#9
Benzaldehyde
Concen: 13.525 ng
RT: 6.475 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 65816

Ion	Ratio	Lower	Upper
77	100		
105	93.8	75.5	115.5
106	91.1	72.0	112.0

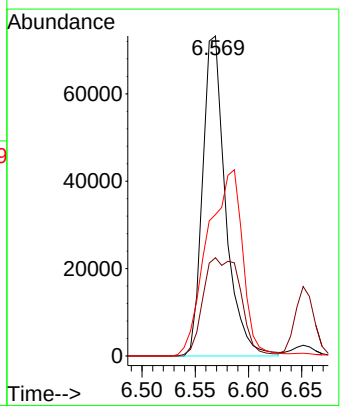


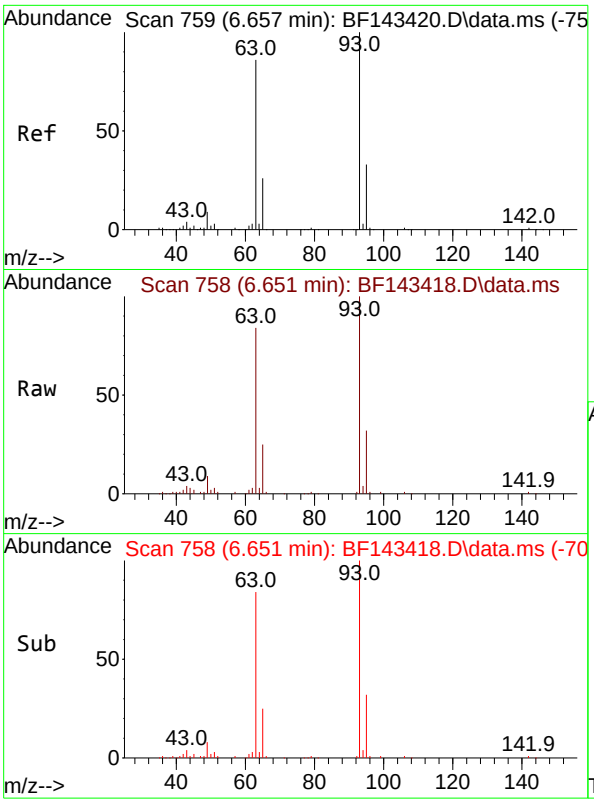


#10
Phenol
Concen: 10.320 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 94 Resp: 110158

Ion	Ratio	Lower	Upper
94	100		
65	30.7	13.7	53.7
66	44.2	30.3	70.3



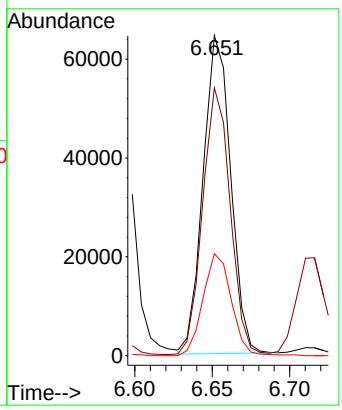


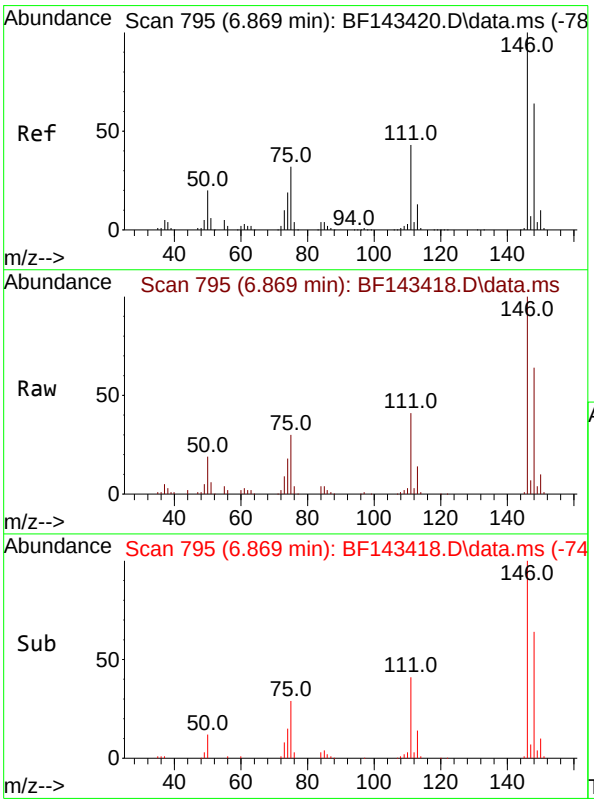
#11
bis(2-Chloroethyl)ether
Concen: 10.079 ng
RT: 6.651 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 79743

Ion	Ratio	Lower	Upper
93	100		
63	83.7	65.4	105.4
95	31.9	12.8	52.8

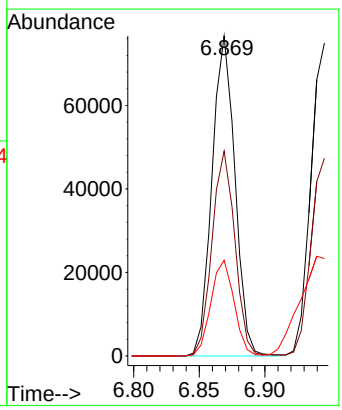


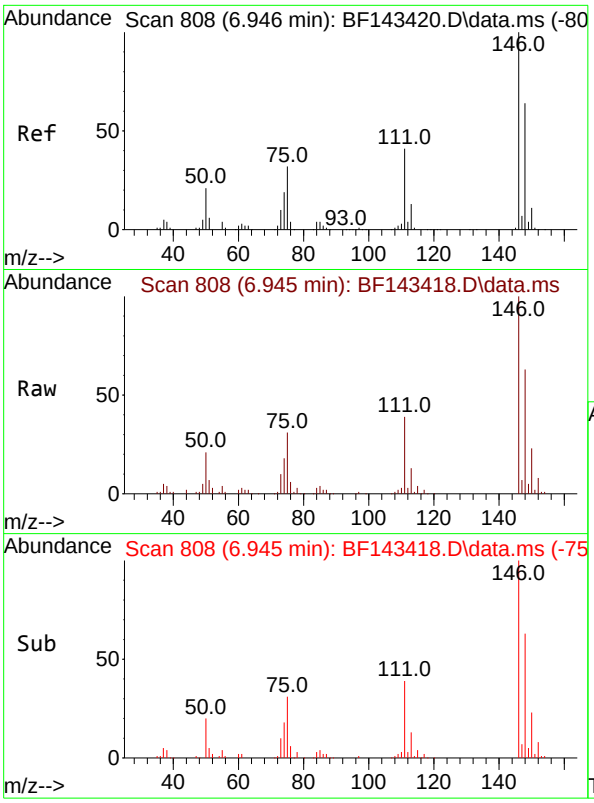


#12
1,3-Dichlorobenzene
Concen: 10.397 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:146 Resp: 93323

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.0	76.4
75	29.9	25.3	37.9



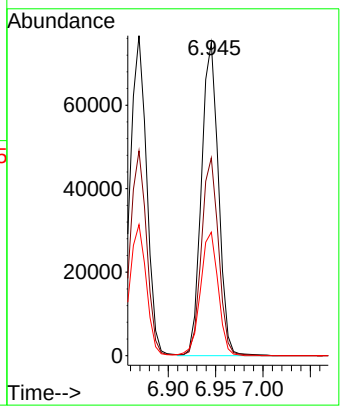


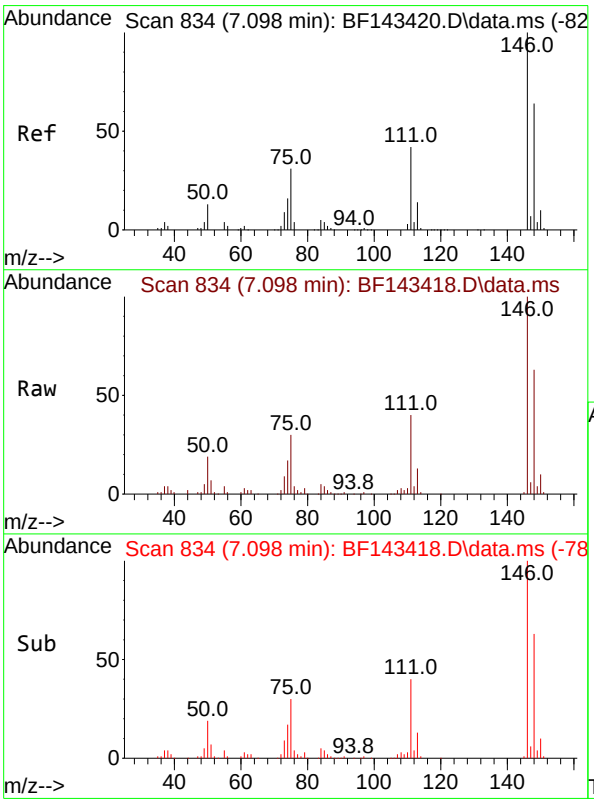
#13
1,4-Dichlorobenzene
Concen: 10.436 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 93524

Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.1	76.7
111	39.5	32.5	48.7

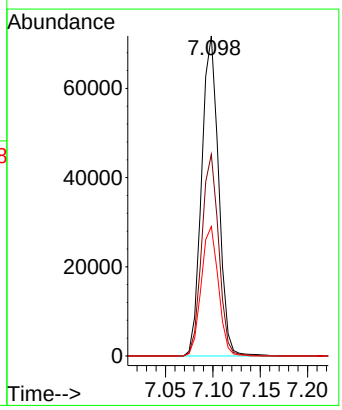


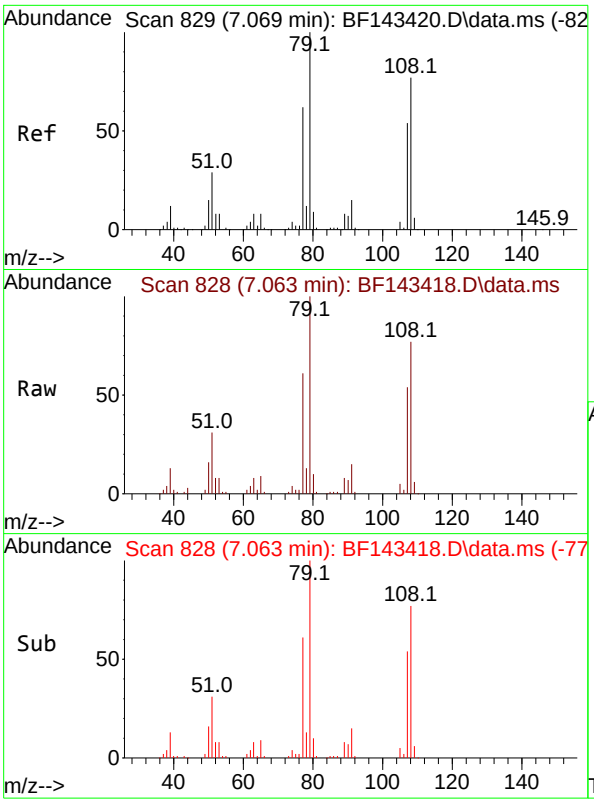


#14
1,2-Dichlorobenzene
Concen: 10.473 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:146 Resp: 89646

Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.4	77.0
111	40.4	33.9	50.9



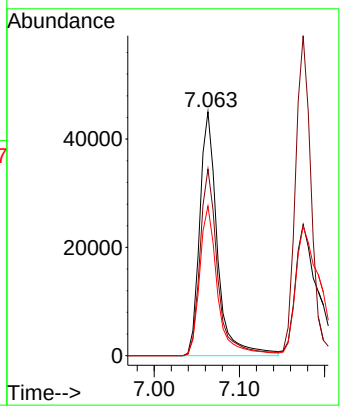


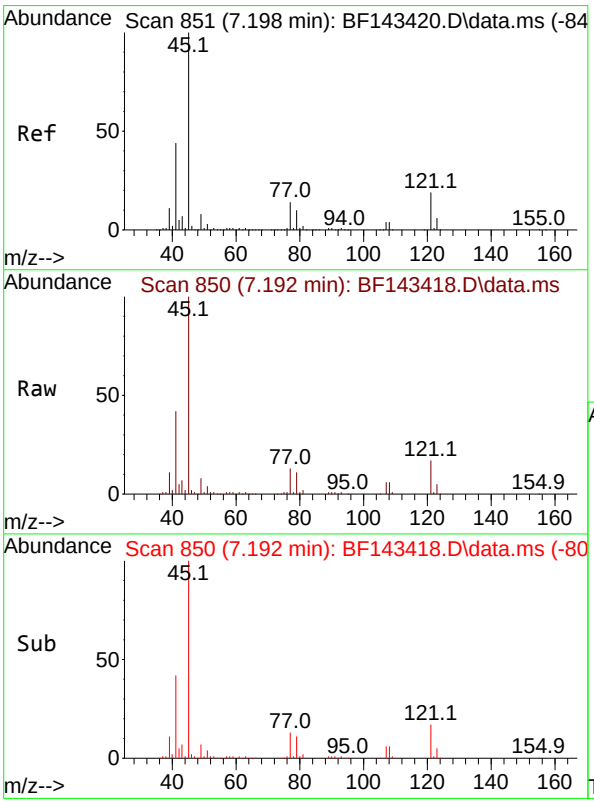
#15
Benzyl Alcohol
Concen: 9.636 ng
RT: 7.063 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 64998

Ion	Ratio	Lower	Upper
79	100		
108	76.5	61.9	92.9
77	61.4	49.2	73.8

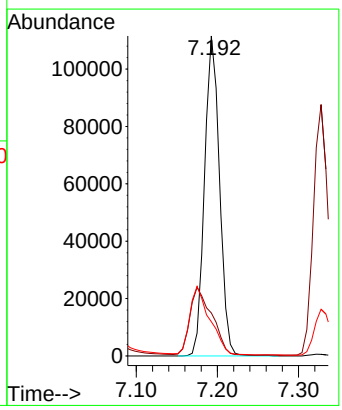


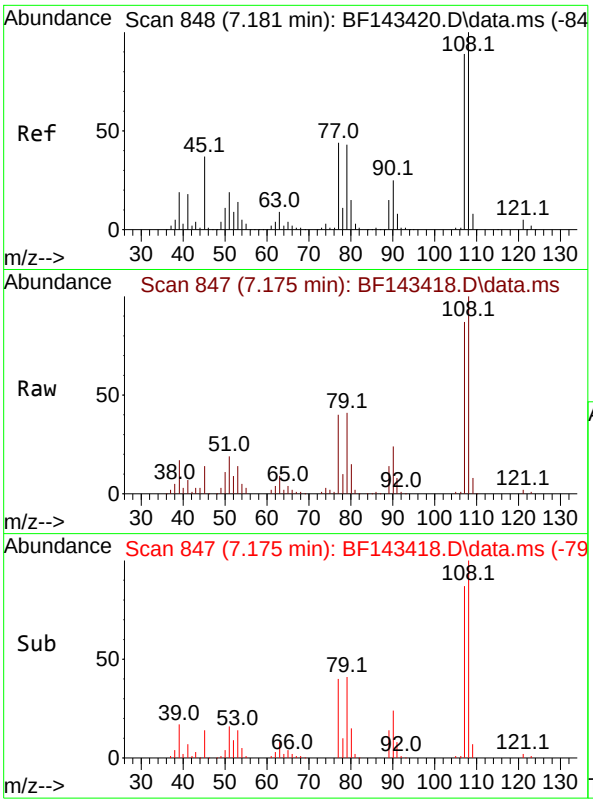


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.537 ng
RT: 7.192 min Scan# 850
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 45 Resp: 142528

Ion	Ratio	Lower	Upper
45	100		
77	13.4	0.0	33.9
79	10.7	0.0	30.7



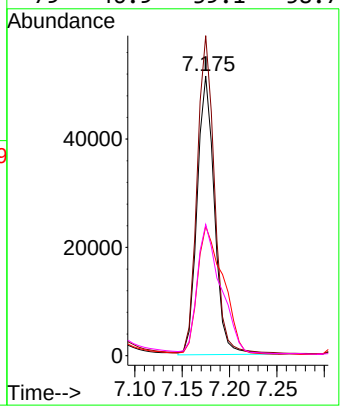


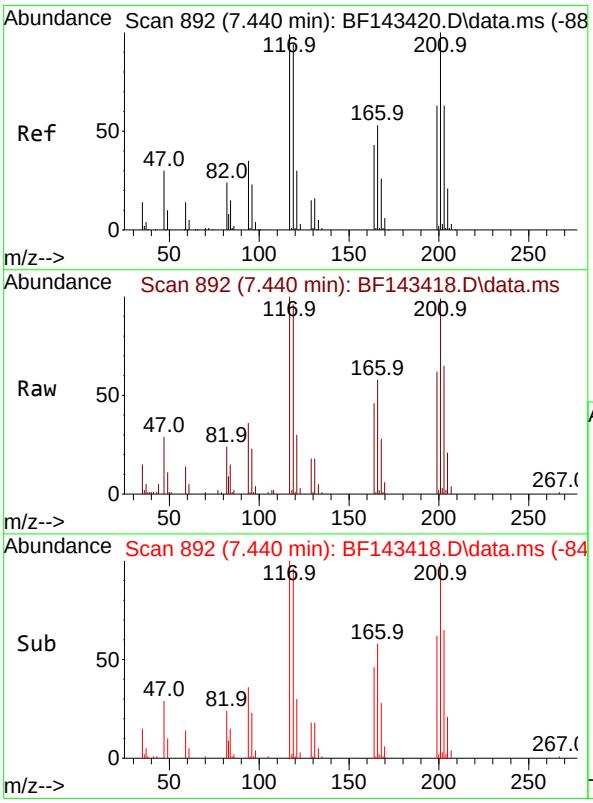
#17
2-Methylphenol
Concen: 10.000 ng
RT: 7.175 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 65382

Ion	Ratio	Lower	Upper
107	100		
108	114.4	90.1	135.1
77	46.3	39.9	59.9
79	46.9	39.1	58.7

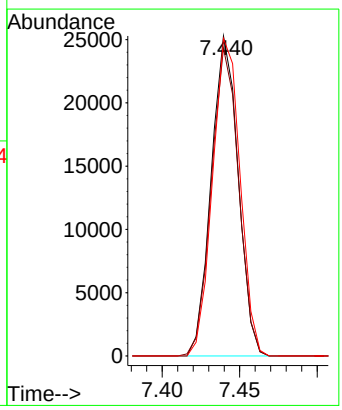


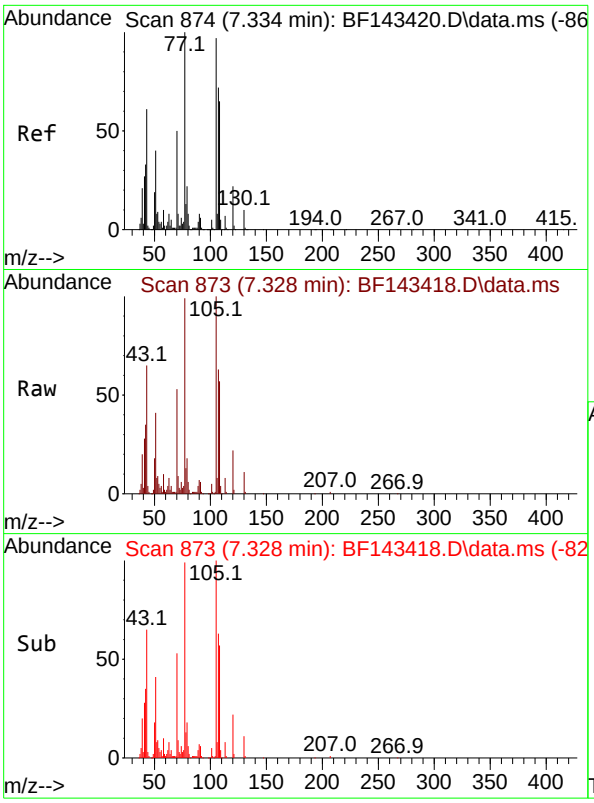


#18
Hexachloroethane
Concen: 10.008 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:117 Resp: 30528

Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.6	114.8
201	99.3	81.0	121.4



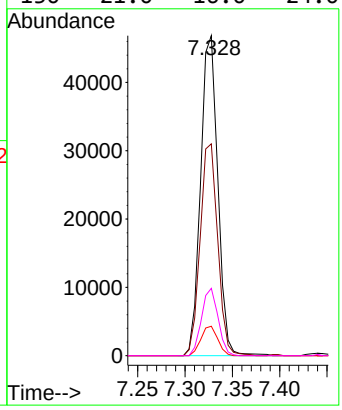


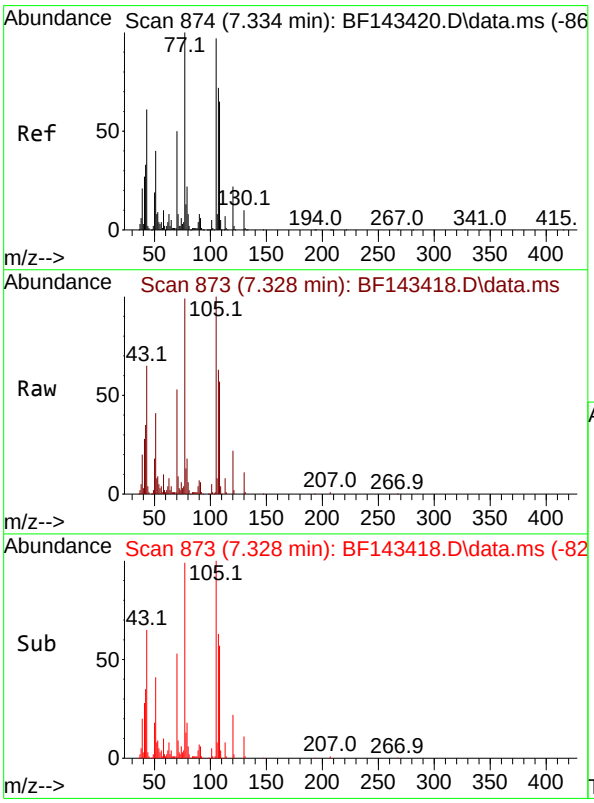
#19
n-Nitroso-di-n-propylamine
Concen: 10.456 ng
RT: 7.328 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 59208

Ion	Ratio	Lower	Upper
70	100		
42	66.2	52.5	78.7
101	9.2	7.9	11.9
130	21.0	16.0	24.0

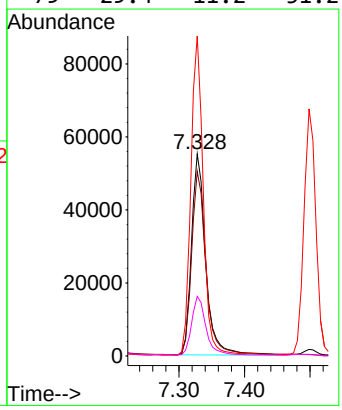


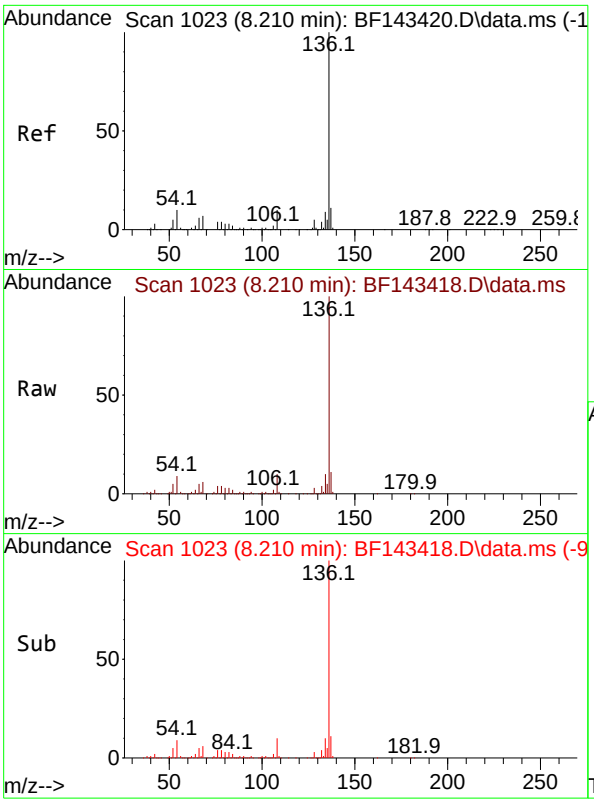


#20
3+4-Methylphenols
Concen: 10.659 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:107 Resp: 83322

Ion	Ratio	Lower	Upper
107	100		
108	91.3	70.8	110.8
77	158.4	119.1	159.1
79	29.4	11.2	51.2



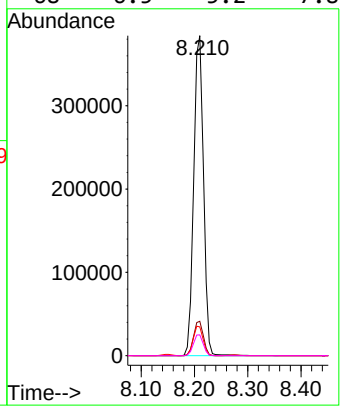


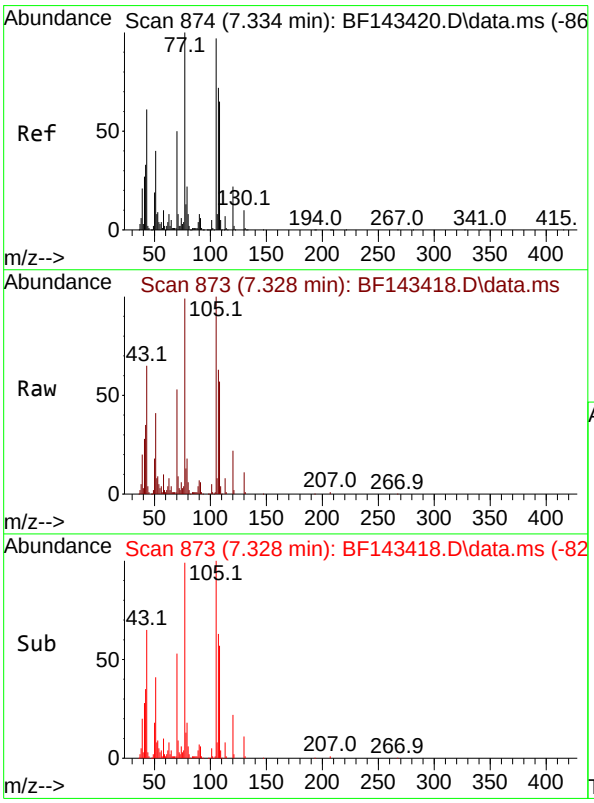
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 489700

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	9.0	7.8	11.8
68	6.5	5.2	7.8

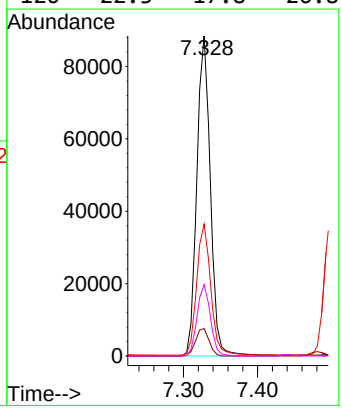


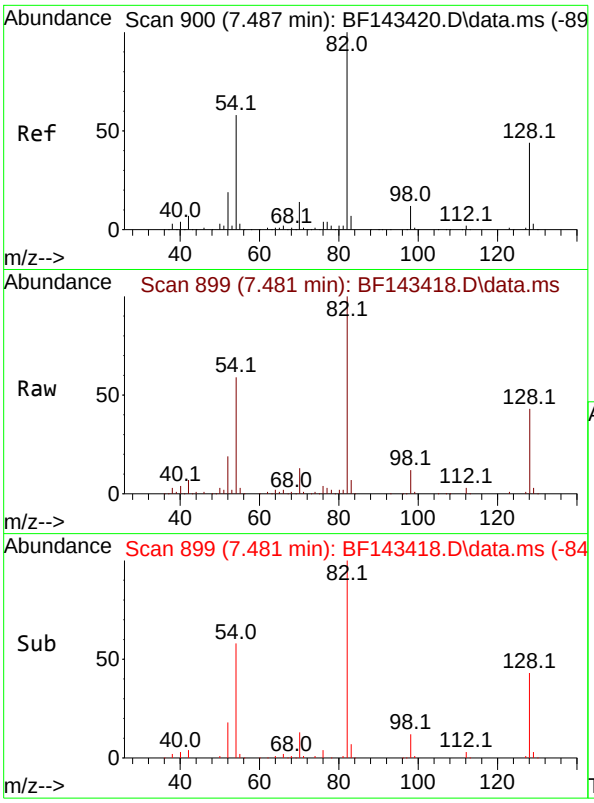


#22
Acetophenone
Concen: 10.672 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:105 Resp: 112365

Ion	Ratio	Lower	Upper
105	100		
71	8.5	7.0	10.4
51	41.3	32.7	49.1
120	22.3	17.8	26.8



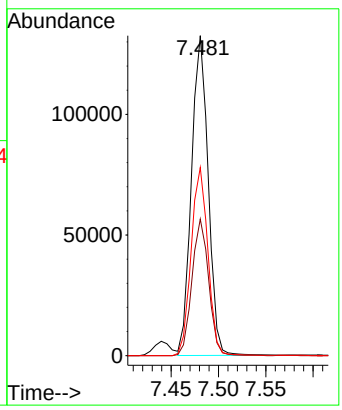


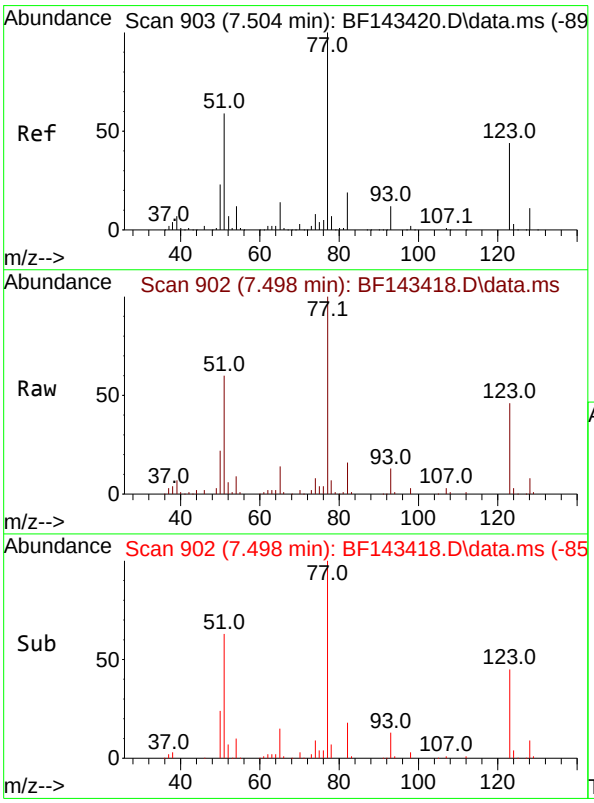
#23
Nitrobenzene-d5
Concen: 19.740 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 162906

Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.6	52.0
54	58.8	46.0	69.0

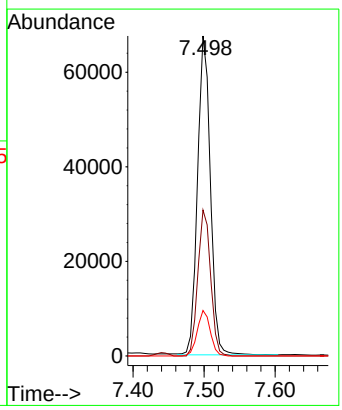


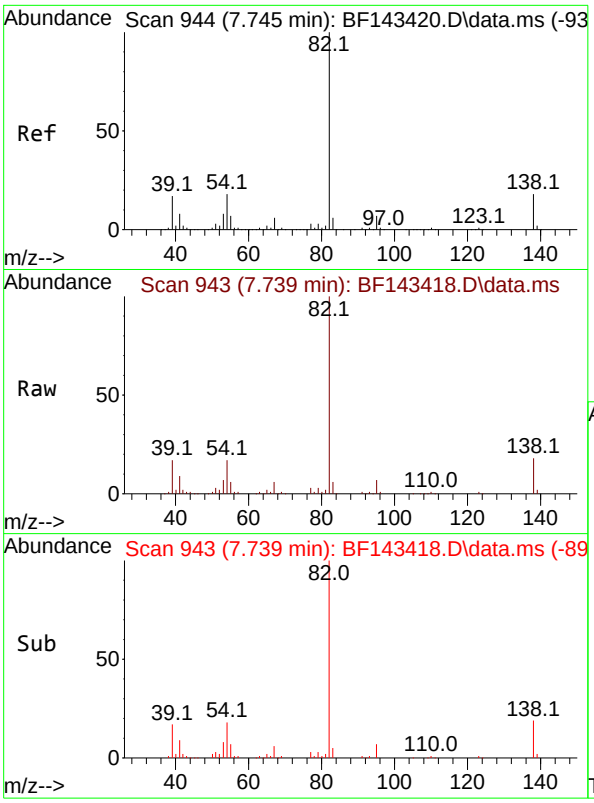


#24
Nitrobenzene
Concen: 9.847 ng
RT: 7.498 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 77 Resp: 84934

Ion	Ratio	Lower	Upper
77	100		
123	45.6	35.4	53.0
65	14.2	11.2	16.8



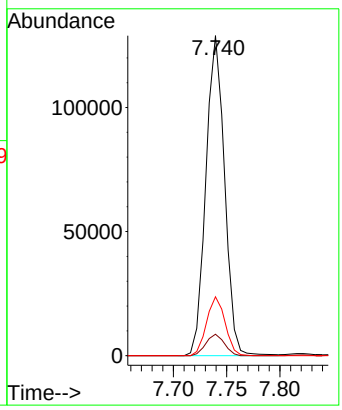


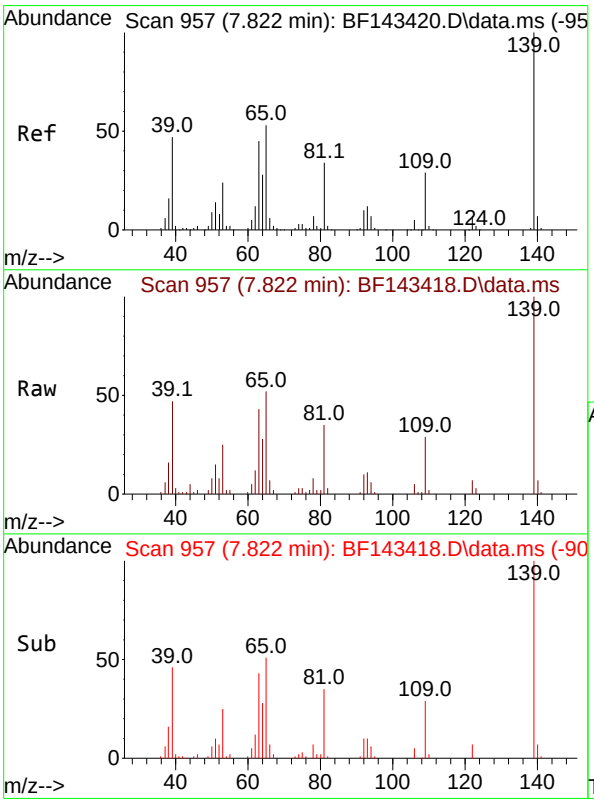
#25
Isophorone
Concen: 9.956 ng
RT: 7.739 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 157251

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.6	8.4
138	18.4	14.3	21.5

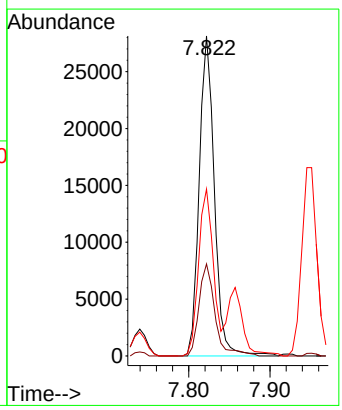


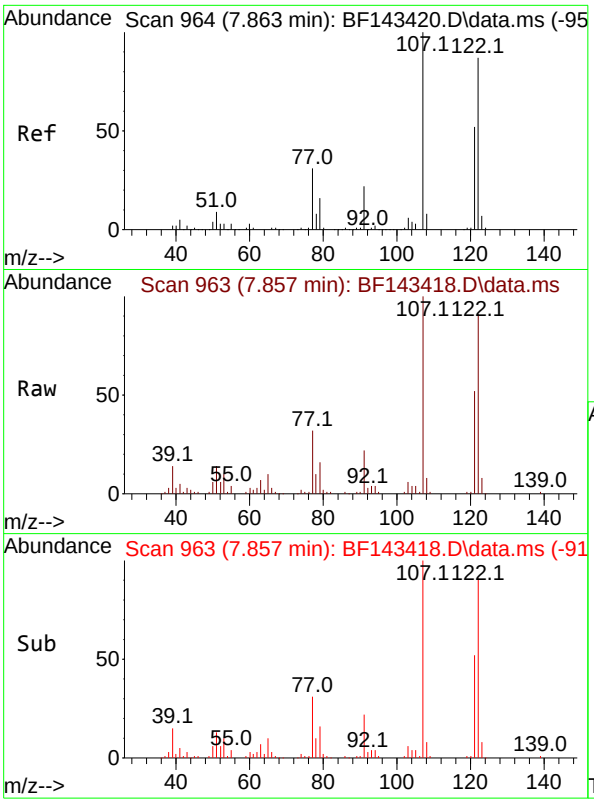


#26
2-Nitrophenol
Concen: 9.127 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:139 Resp: 36495

Ion	Ratio	Lower	Upper
139	100		
109	28.7	23.0	34.4
65	52.2	42.5	63.7



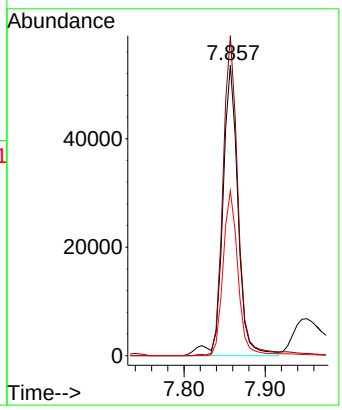


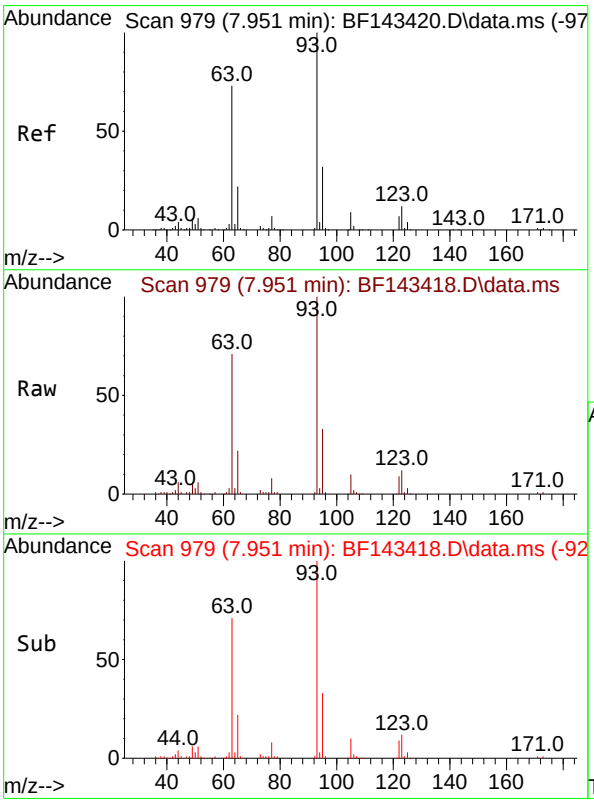
#27
2,4-Dimethylphenol
Concen: 10.368 ng
RT: 7.857 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 70092

Ion	Ratio	Lower	Upper
122	100		
107	110.1	90.4	135.6
121	56.8	46.7	70.1

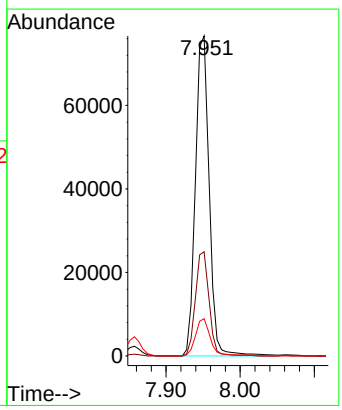


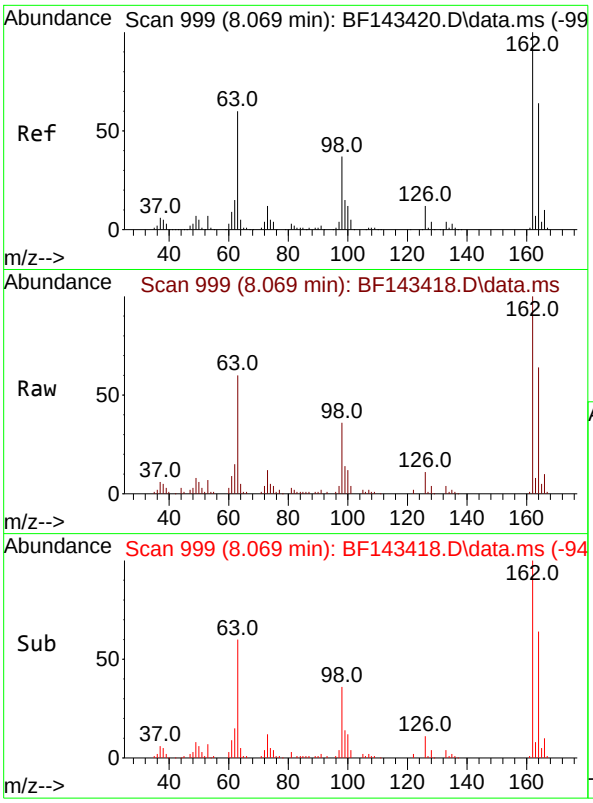


#28
bis(2-Chloroethoxy)methane
Concen: 10.200 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 93 Resp: 99022

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.0	39.0
123	11.7	9.5	14.3



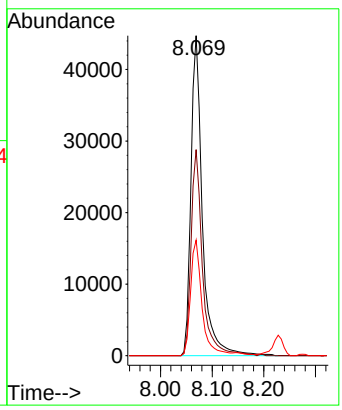


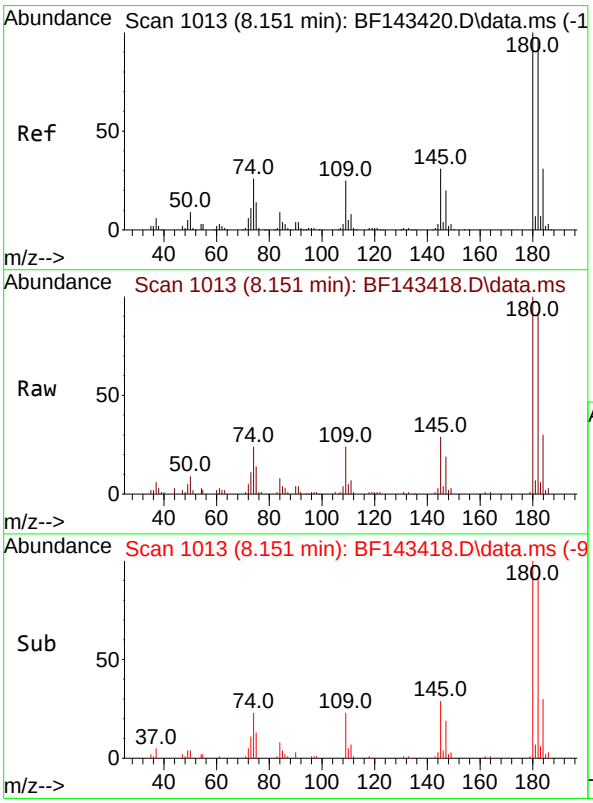
#29
2,4-Dichlorophenol
Concen: 9.987 ng
RT: 8.069 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 68826

Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.3	84.3
98	36.1	16.9	56.9

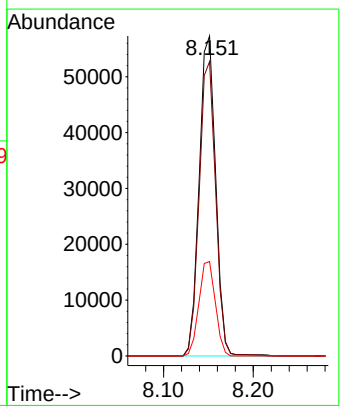


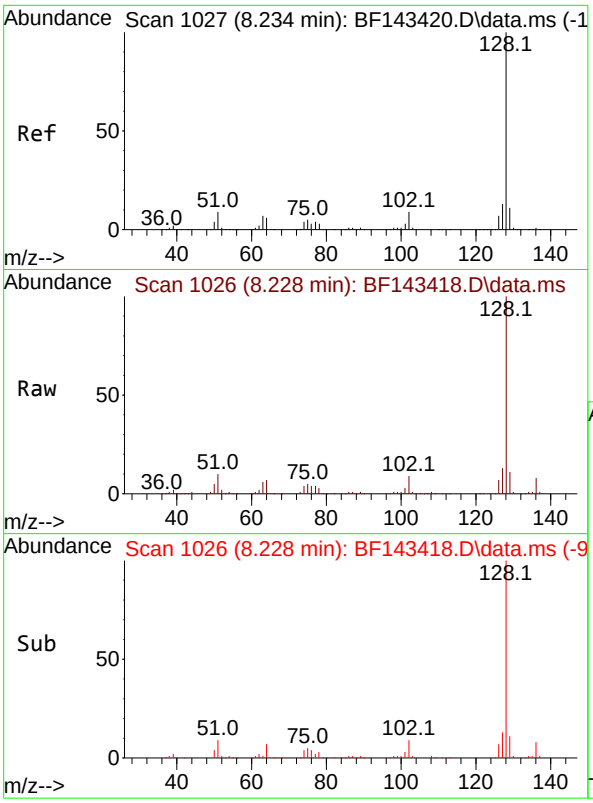


#30
1,2,4-Trichlorobenzene
Concen: 10.349 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:180 Resp: 73076

Ion	Ratio	Lower	Upper
180	100		
182	92.0	76.7	115.1
145	29.5	24.5	36.7



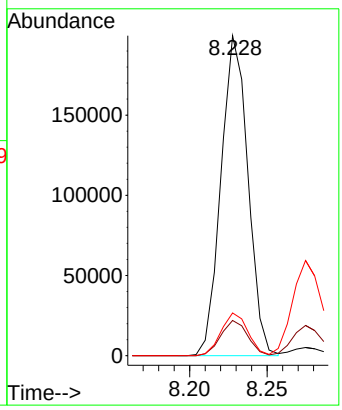


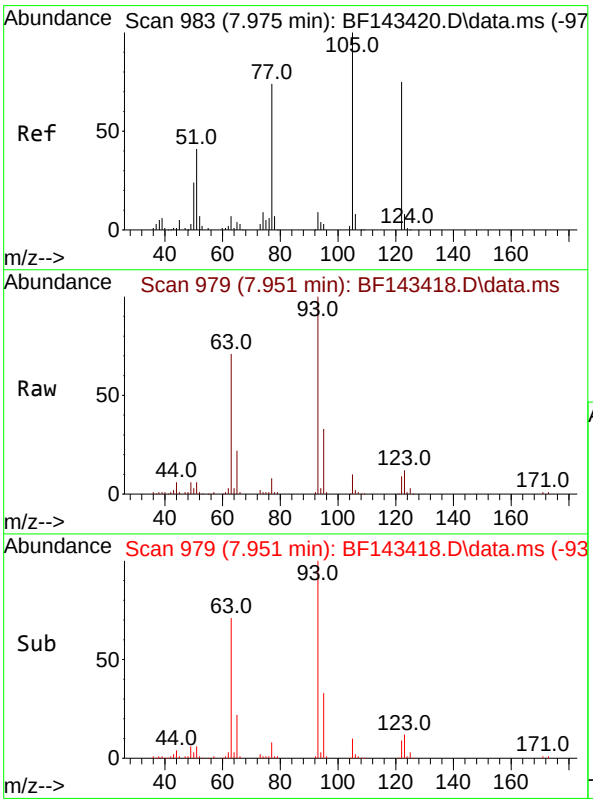
#31
Naphthalene
Concen: 10.394 ng
RT: 8.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 241652

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.4	10.6	16.0

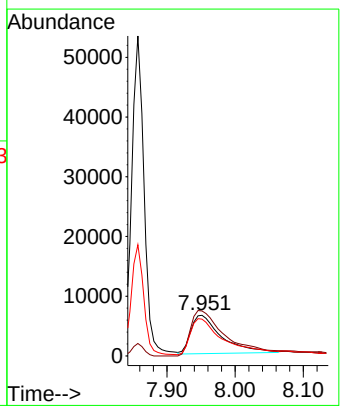


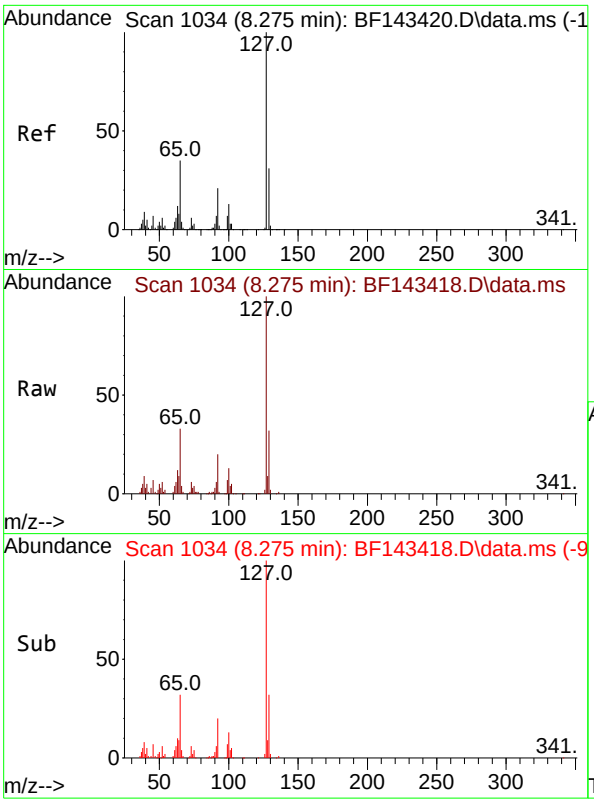


#32
Benzoic acid
Concen: 5.735 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.024 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:122 Resp: 20067

Ion	Ratio	Lower	Upper
122	100		
105	110.5	108.4	148.4
77	90.7	75.9	115.9



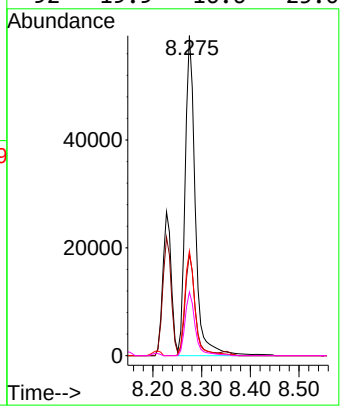


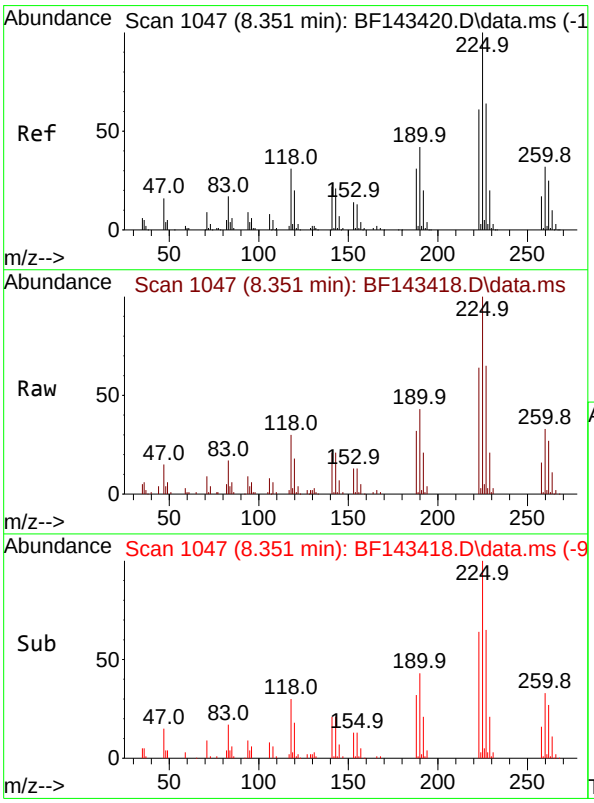
#33
4-Chloroaniline
Concen: 10.258 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 86081

Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.8	38.8
65	32.7	27.2	40.8
92	19.9	16.6	25.0

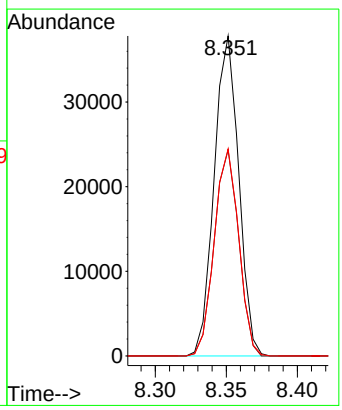


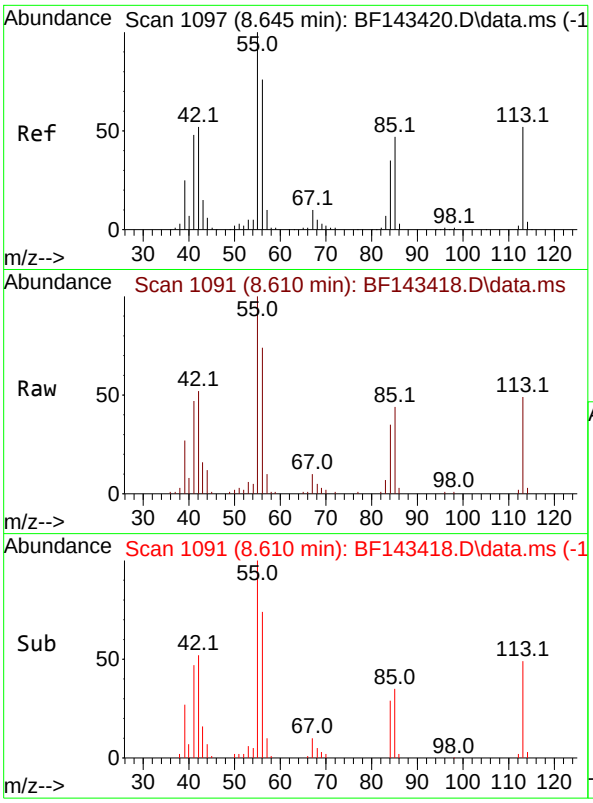


#34
Hexachlorobutadiene
Concen: 10.071 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:225 Resp: 45348

Ion	Ratio	Lower	Upper
225	100		
223	64.4	49.0	73.6
227	64.7	51.1	76.7



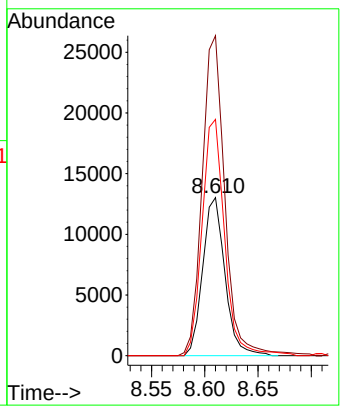


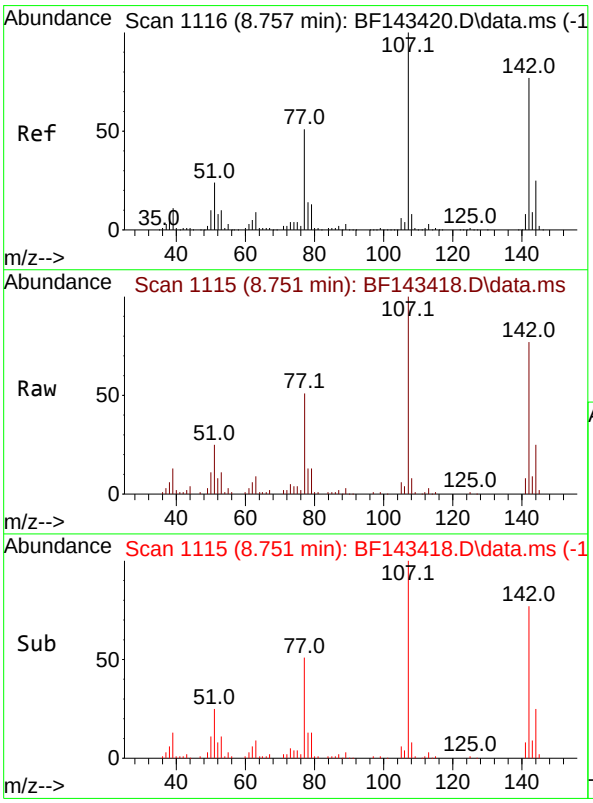
#35
Caprolactam
Concen: 9.531 ng
RT: 8.610 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 18911

Ion	Ratio	Lower	Upper
113	100		
55	202.4	174.7	214.7
56	149.5	127.0	167.0

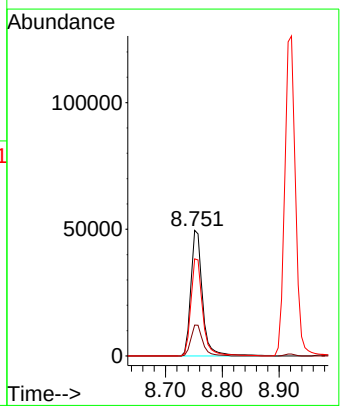


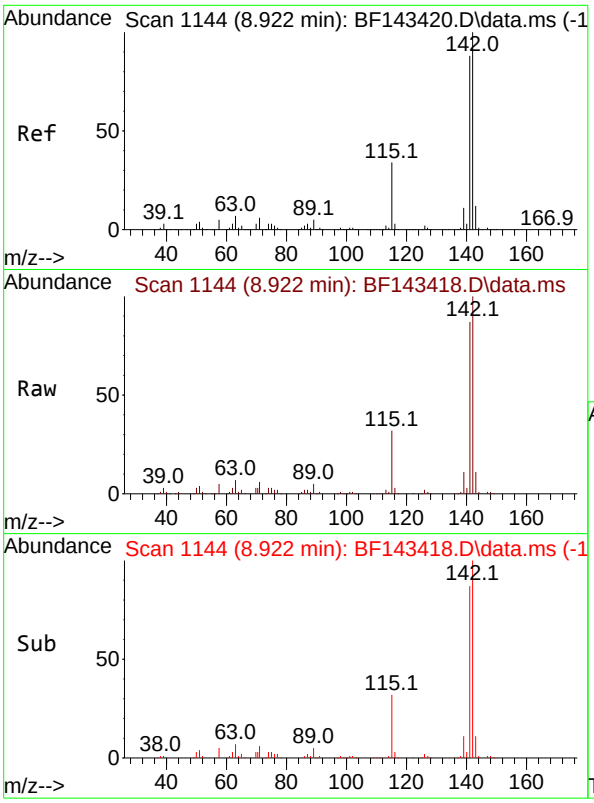


#36
4-Chloro-3-methylphenol
Concen: 10.013 ng
RT: 8.751 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:107 Resp: 71072

Ion	Ratio	Lower	Upper
107	100		
144	24.6	20.2	30.2
142	77.4	62.0	93.0



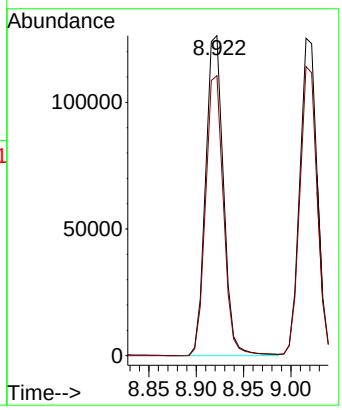


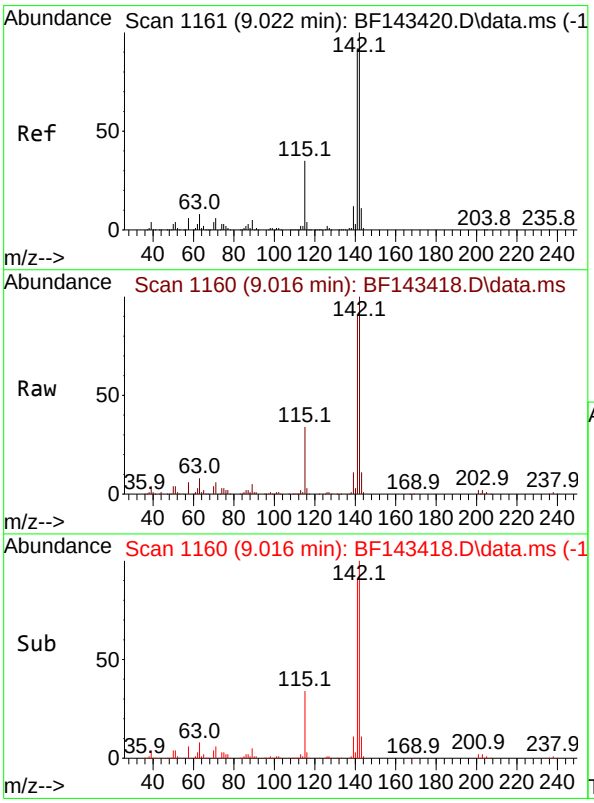
#37
2-Methylnaphthalene
Concen: 10.598 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 166073

Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.3	105.5

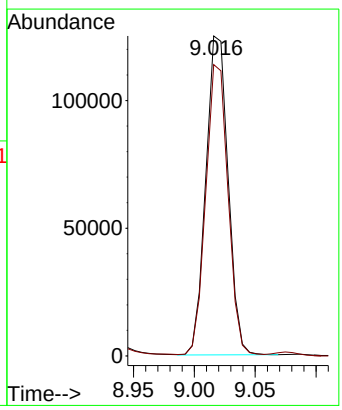


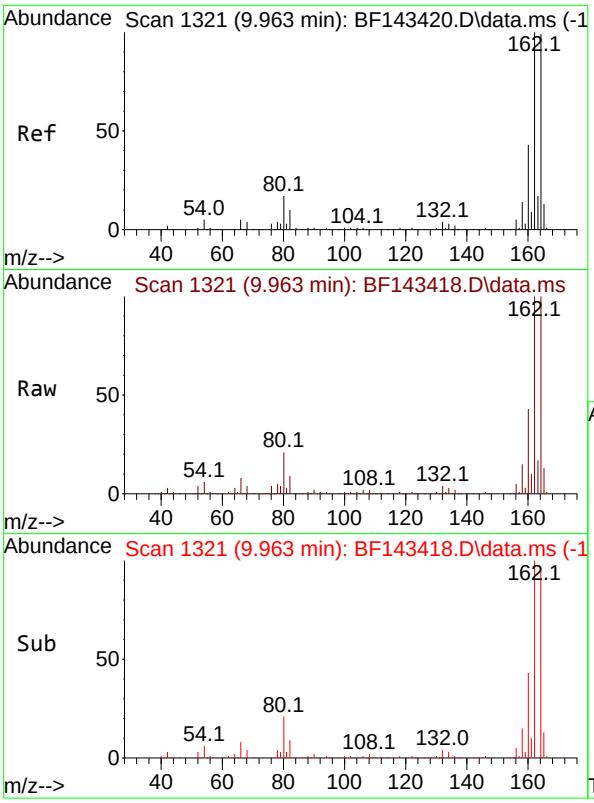


#38
1-Methylnaphthalene
Concen: 10.597 ng
RT: 9.016 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:142 Resp: 159110

Ion	Ratio	Lower	Upper
142	100		
141	91.1	73.8	110.6



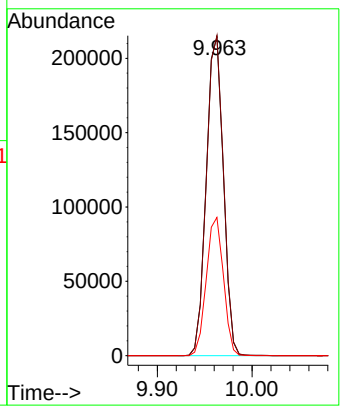


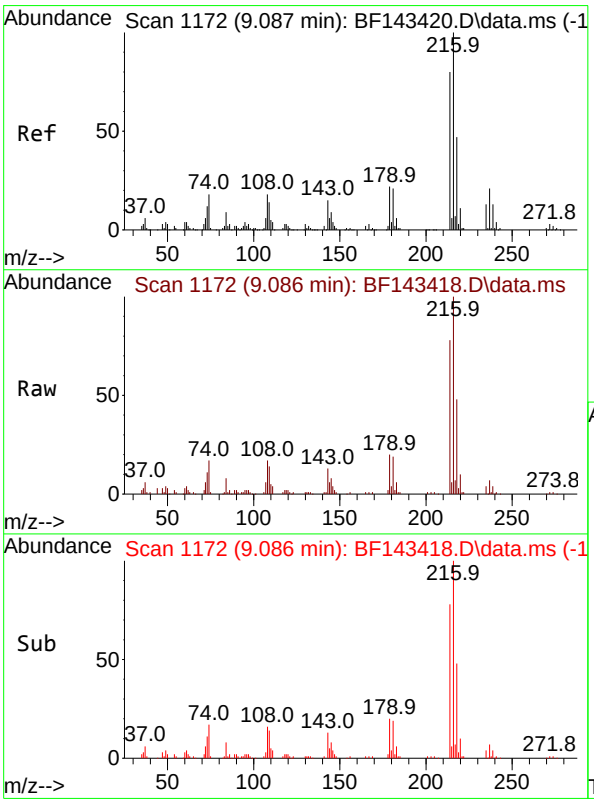
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 268983

Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.6	121.0
160	43.3	34.6	51.8

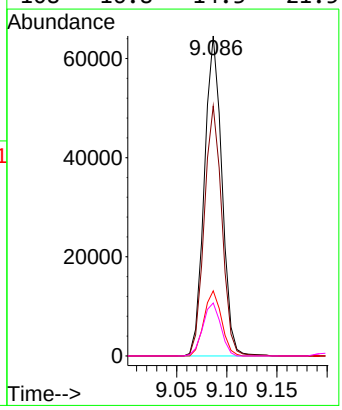


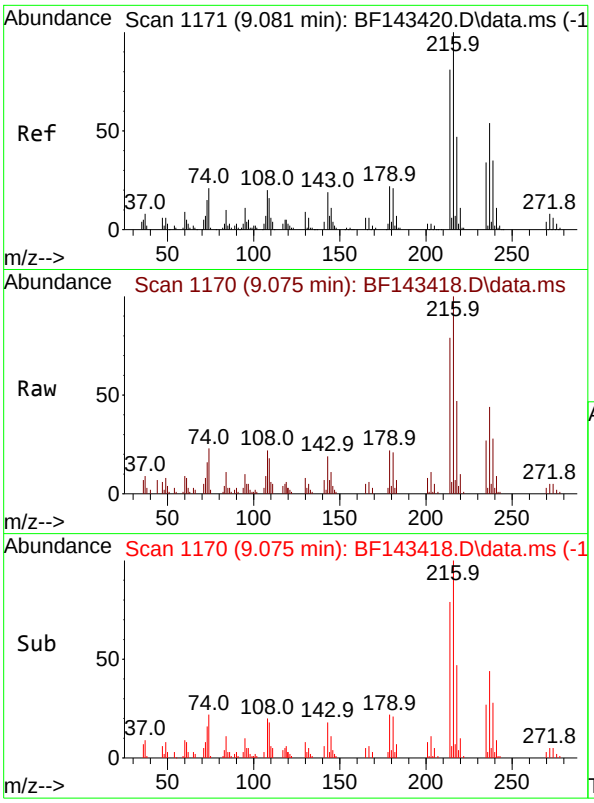


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.523 ng
RT: 9.086 min Scan# 1172
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:216 Resp: 78936

Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.7	95.5
179	20.3	17.0	25.4
108	16.8	14.3	21.5



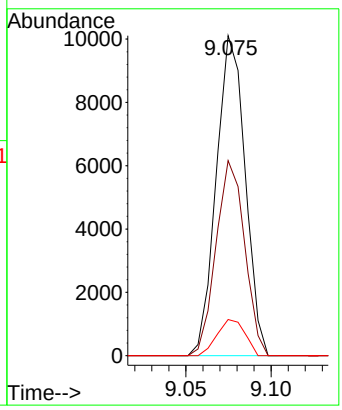


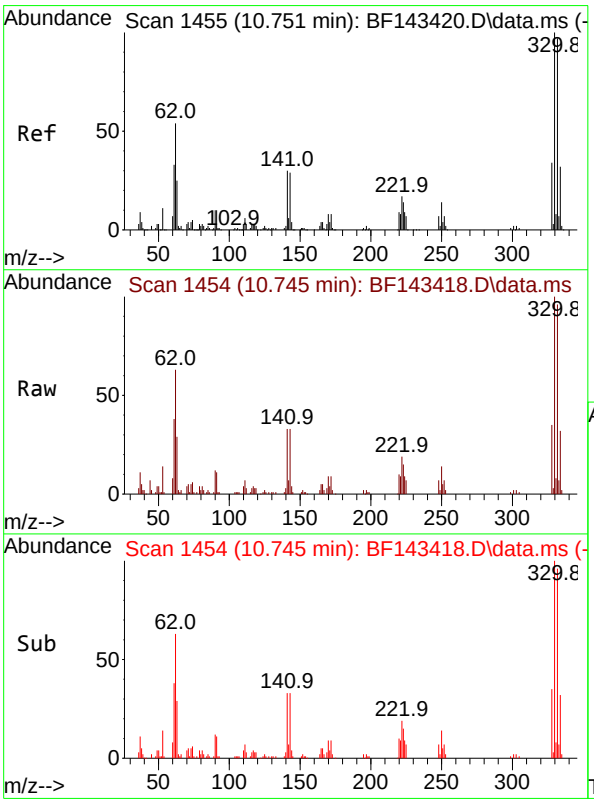
#41
Hexachlorocyclopentadiene
Concen: 10.597 ng
RT: 9.075 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 11930

Ion	Ratio	Lower	Upper
237	100		
235	60.9	41.6	81.6
272	11.3	0.0	33.8

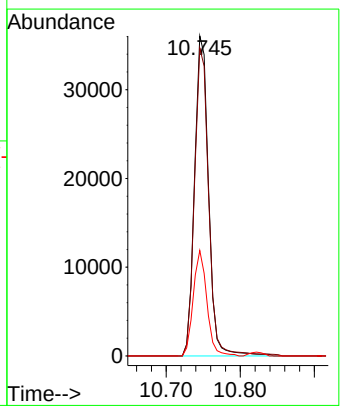


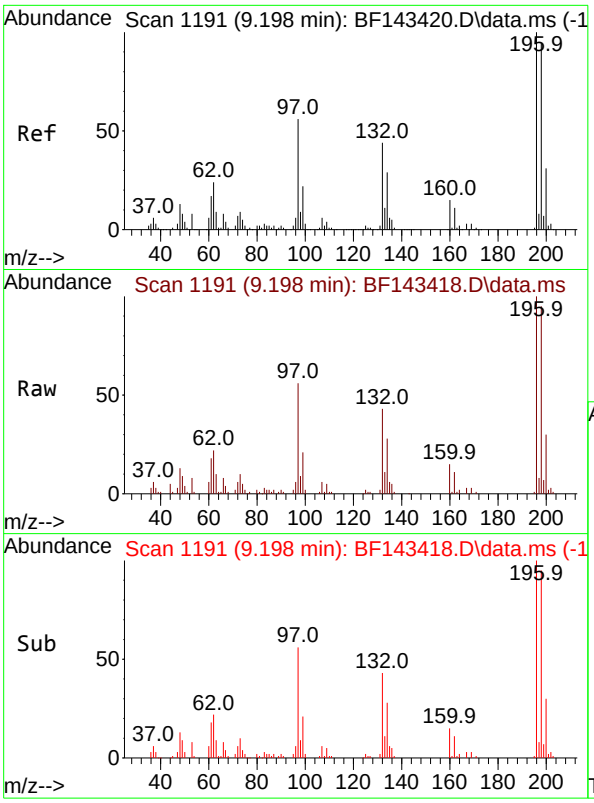


#42
2,4,6-Tribromophenol
Concen: 19.817 ng
RT: 10.745 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:330 Resp: 47446

Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.4	116.2
141	31.9	24.1	36.1



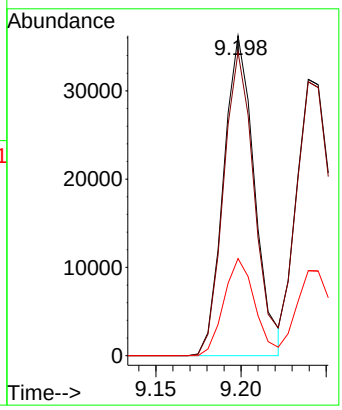


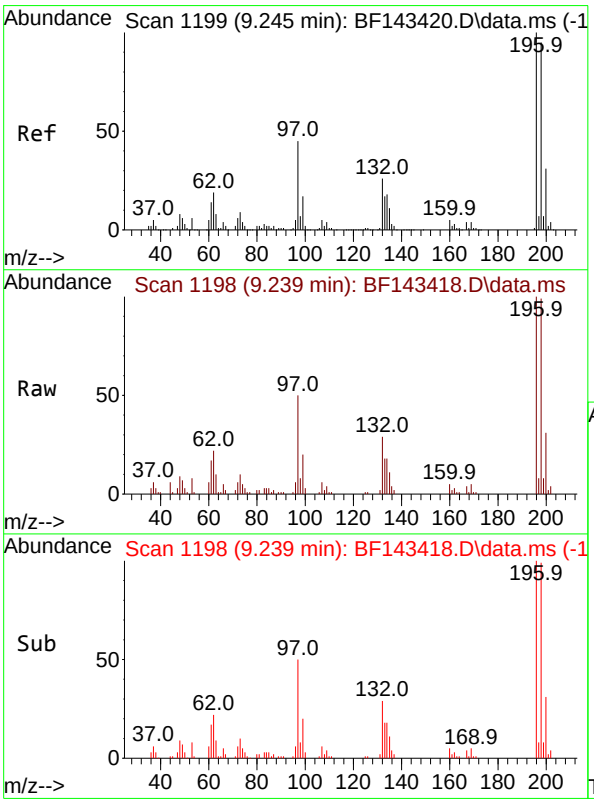
#43
2,4,6-Trichlorophenol
Concen: 9.798 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 45852

Ion	Ratio	Lower	Upper
196	100		
198	94.9	75.4	113.2
200	30.3	24.7	37.1

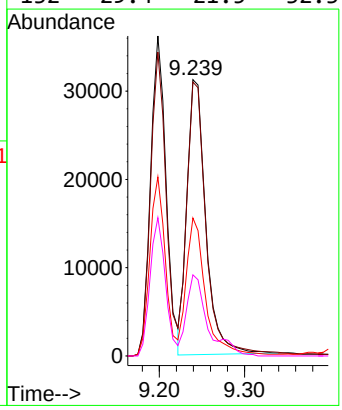


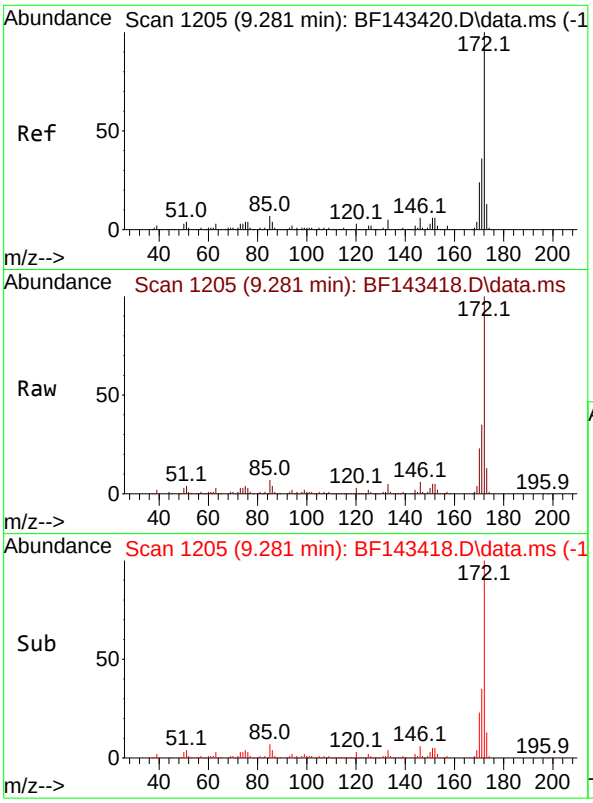


#44
2,4,5-Trichlorophenol
Concen: 9.588 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:196 Resp: 48096

Ion	Ratio	Lower	Upper
196	100		
198	99.1	76.2	114.4
97	49.9	36.6	55.0
132	29.4	21.5	32.3



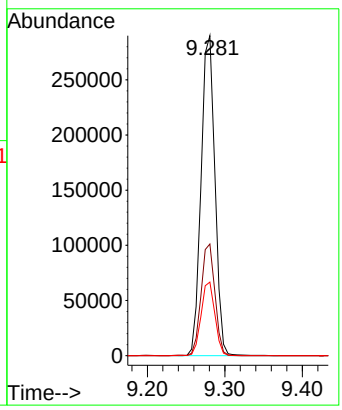


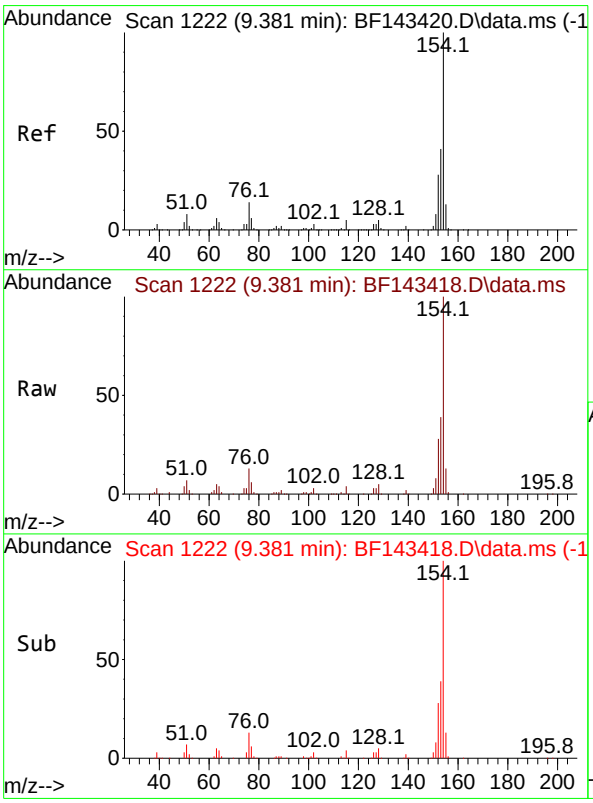
#45
2-Fluorobiphenyl
Concen: 22.534 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 360367

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.7	43.1
170	23.0	19.0	28.6

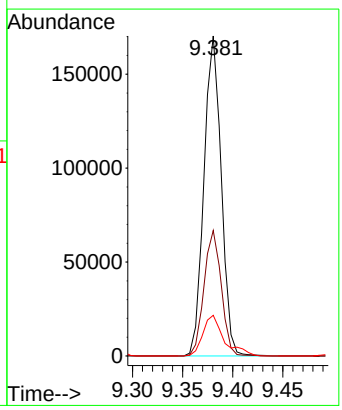


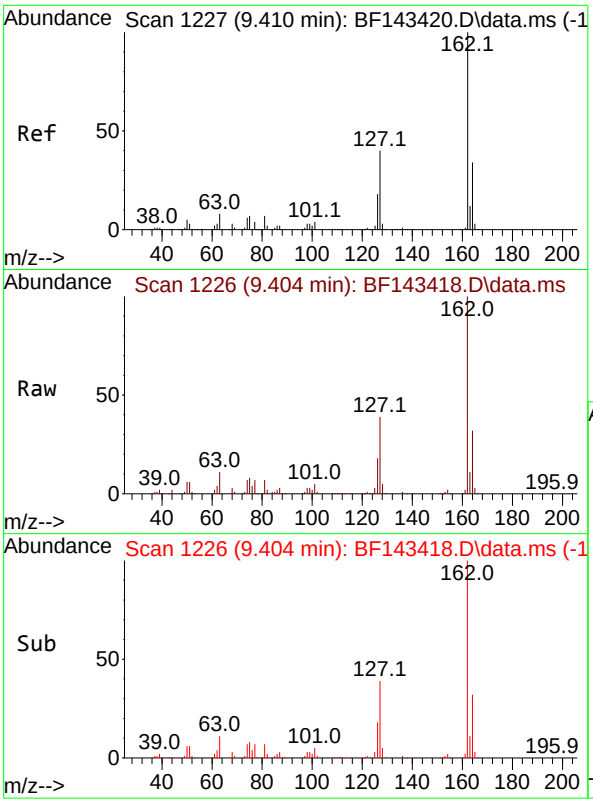


#46
1,1'-Biphenyl
Concen: 10.843 ng
RT: 9.381 min Scan# 1222
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:154 Resp: 204923

Ion	Ratio	Lower	Upper
154	100		
153	39.2	20.6	60.6
76	12.7	0.0	33.8



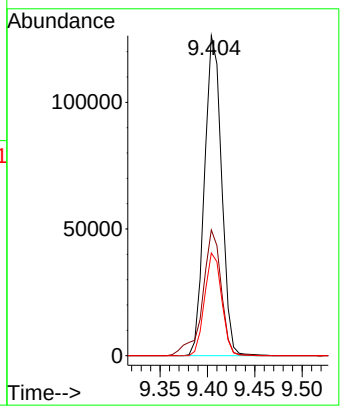


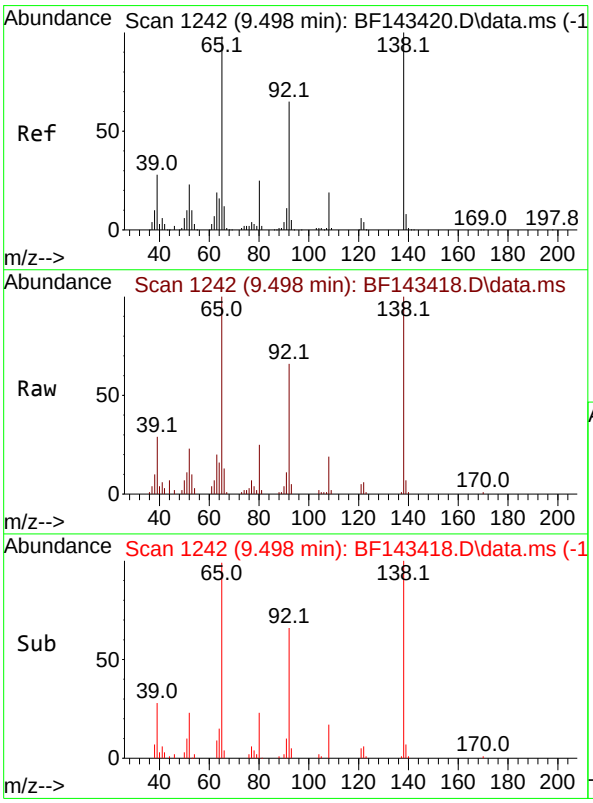
#47
2-Chloronaphthalene
Concen: 10.585 ng
RT: 9.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 157909

Ion	Ratio	Lower	Upper
162	100		
127	39.3	32.3	48.5
164	32.1	26.9	40.3

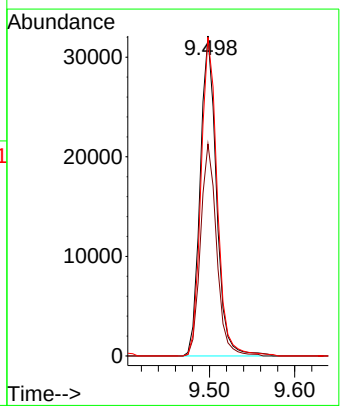


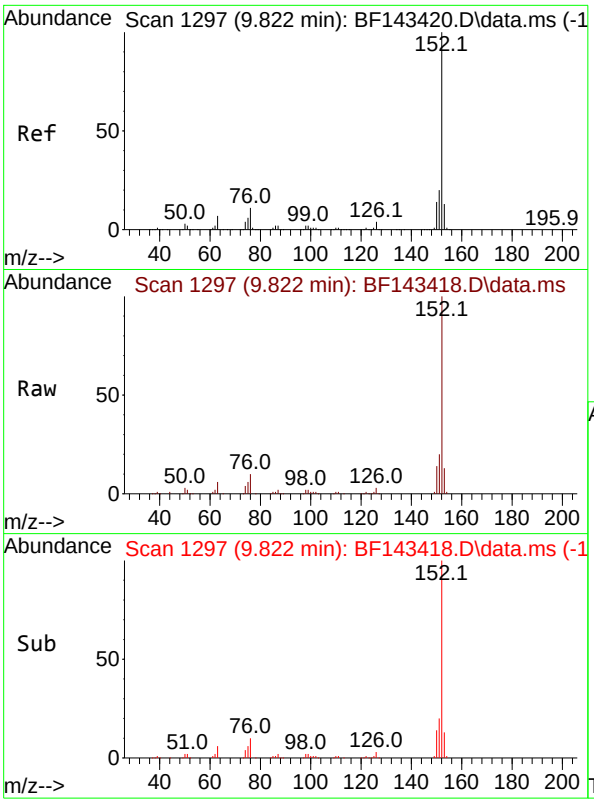


#48
2-Nitroaniline
Concen: 9.597 ng
RT: 9.498 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion: 65 Resp: 42604

Ion	Ratio	Lower	Upper
65	100		
92	66.2	52.9	79.3
138	99.6	81.3	121.9



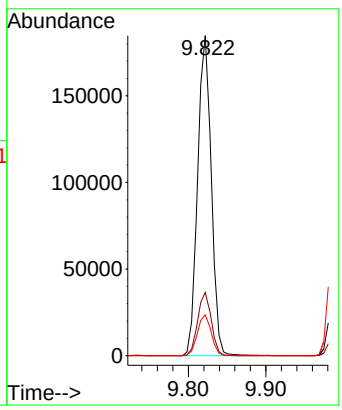


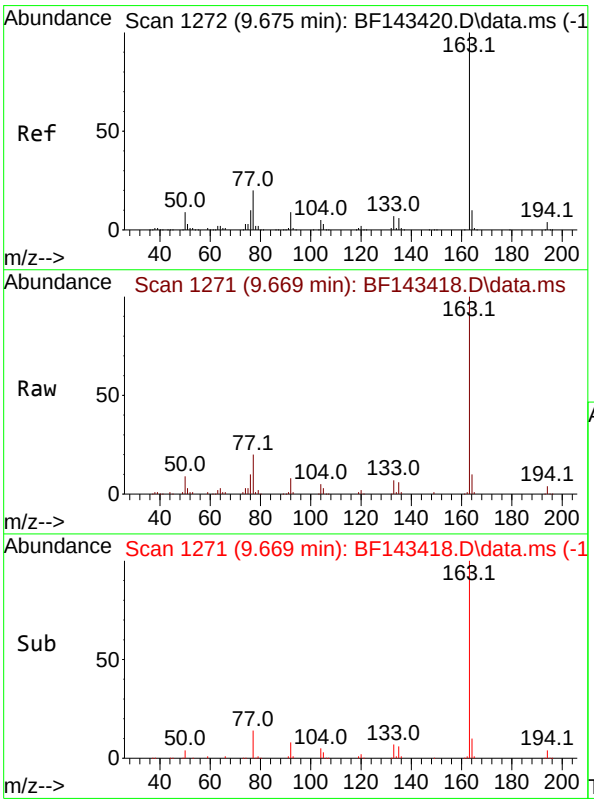
#49
Acenaphthylene
Concen: 10.488 ng
RT: 9.822 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 225908

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.0	24.0
153	12.8	10.8	16.2

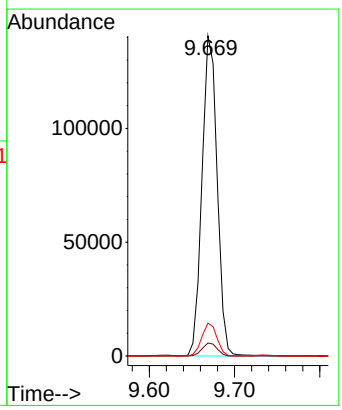


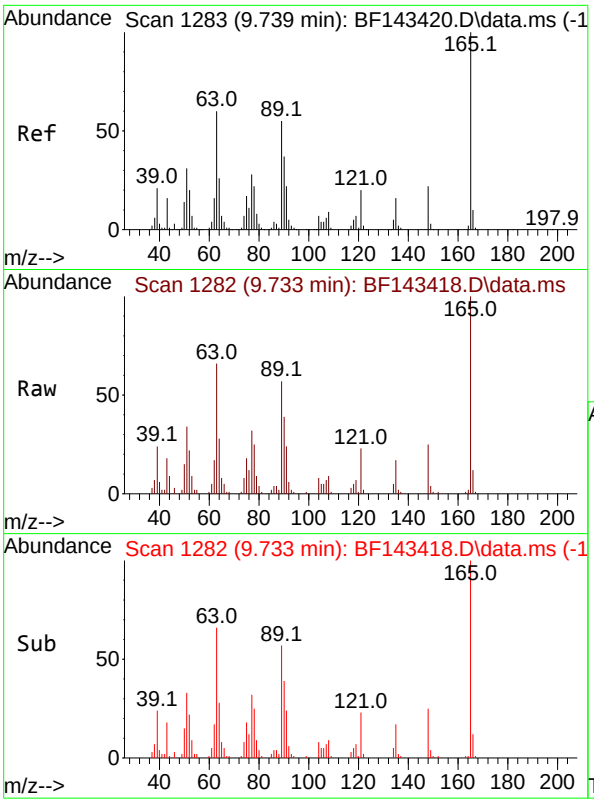


#50
Dimethylphthalate
Concen: 10.371 ng
RT: 9.669 min Scan# 1271
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:163 Resp: 173912

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.4	5.0
164	10.3	8.2	12.4



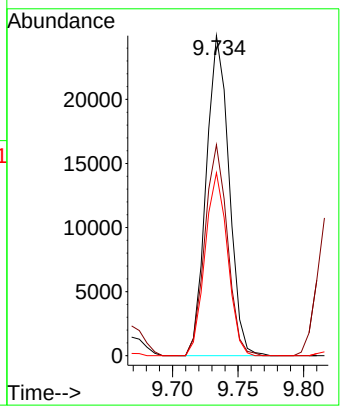


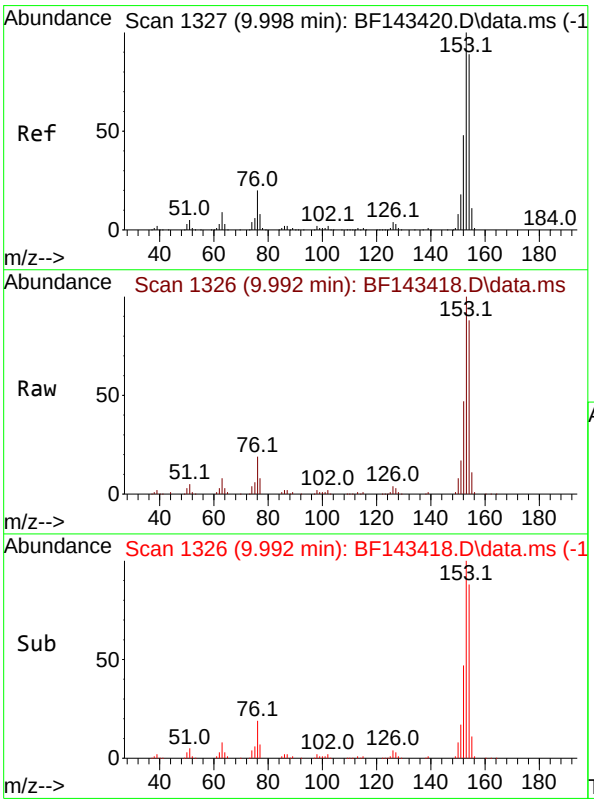
#51
2,6-Dinitrotoluene
Concen: 9.150 ng
RT: 9.733 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 30248

Ion	Ratio	Lower	Upper
165	100		
63	65.9	48.2	72.2
89	57.2	44.2	66.2

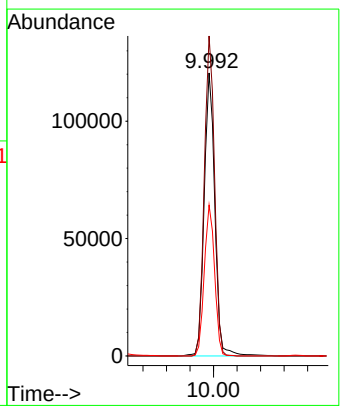


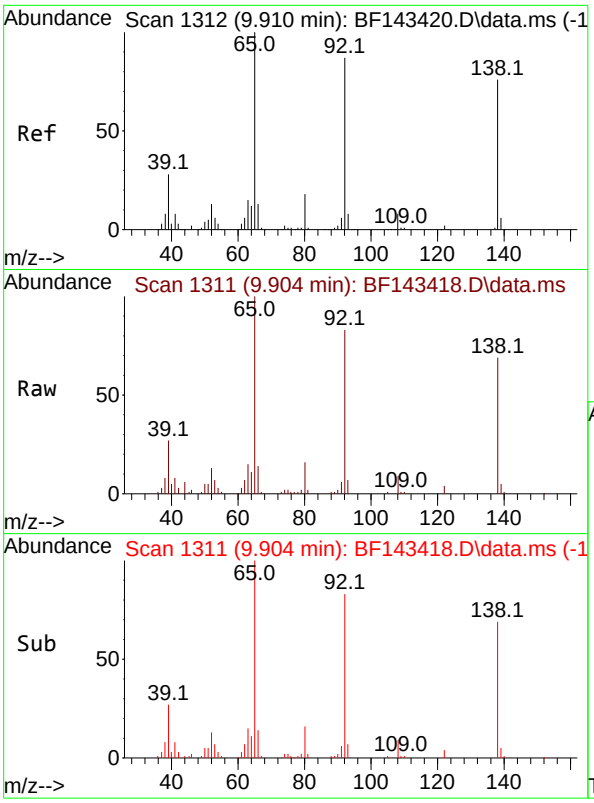


#52
Acenaphthene
Concen: 10.454 ng
RT: 9.992 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:154 Resp: 151452

Ion	Ratio	Lower	Upper
154	100		
153	113.1	89.5	134.3
152	53.3	42.6	64.0



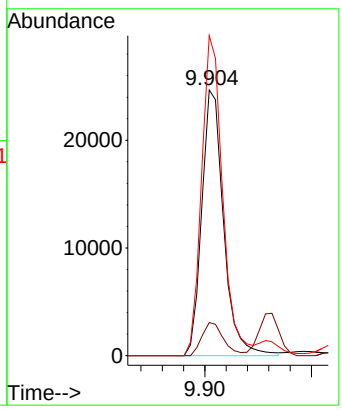


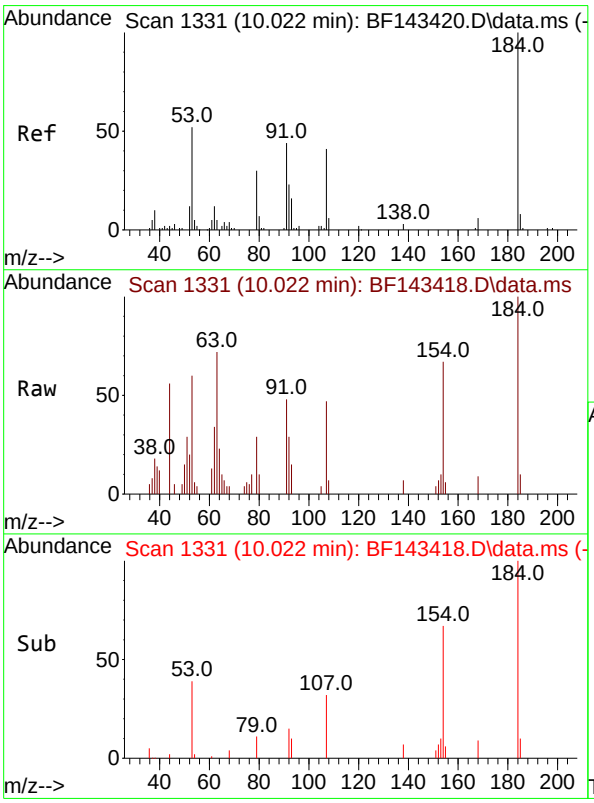
#53
3-Nitroaniline
Concen: 9.547 ng
RT: 9.904 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 35157

Ion	Ratio	Lower	Upper
138	100		
108	12.4	8.7	13.1
92	120.4	91.4	137.2

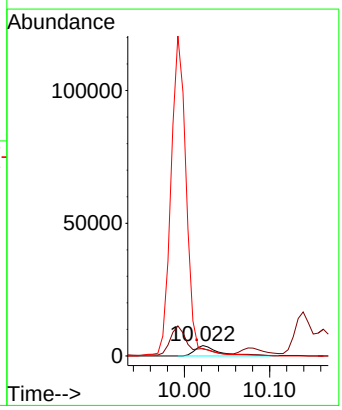


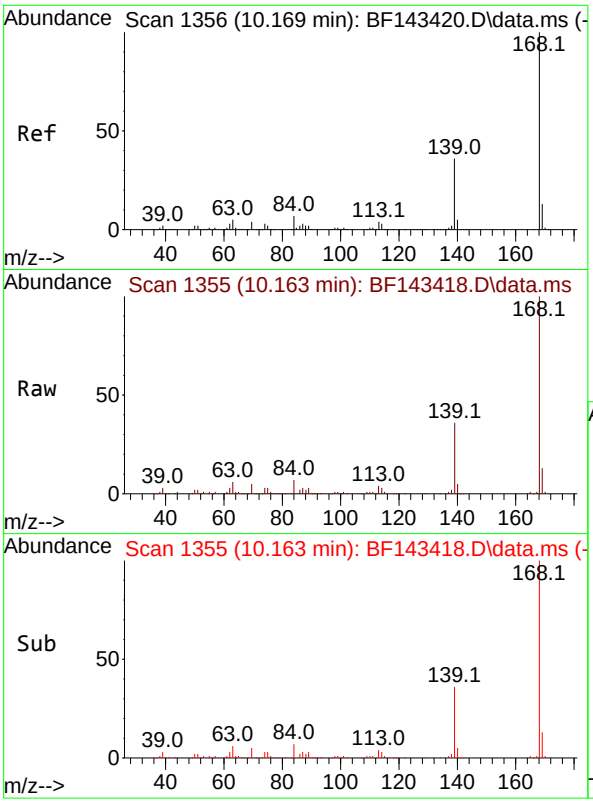


#54
2,4-Dinitrophenol
Concen: 10.543 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:184 Resp: 7904

Ion	Ratio	Lower	Upper
184	100		
63	71.6	53.2	79.8
154	67.2	51.3	76.9



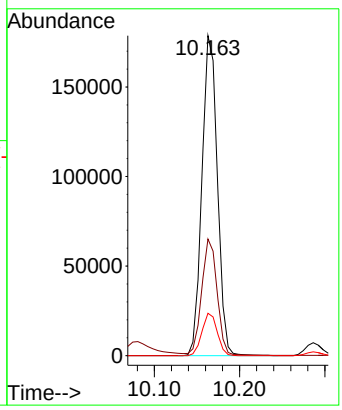


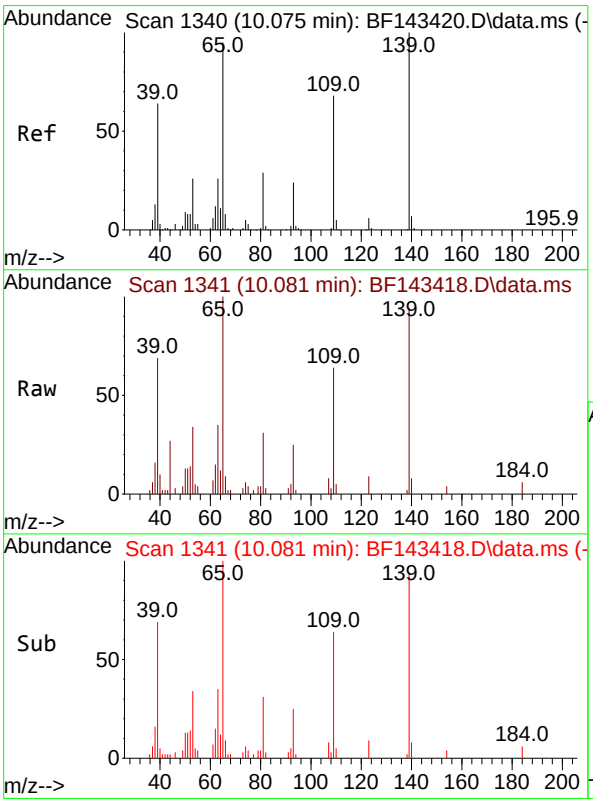
#55
Dibenzofuran
Concen: 10.739 ng
RT: 10.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 224434

Ion	Ratio	Lower	Upper
168	100		
139	36.5	29.3	43.9
169	13.2	10.8	16.2

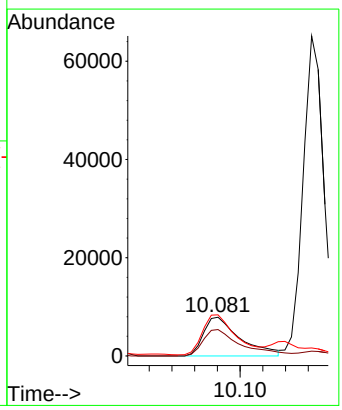


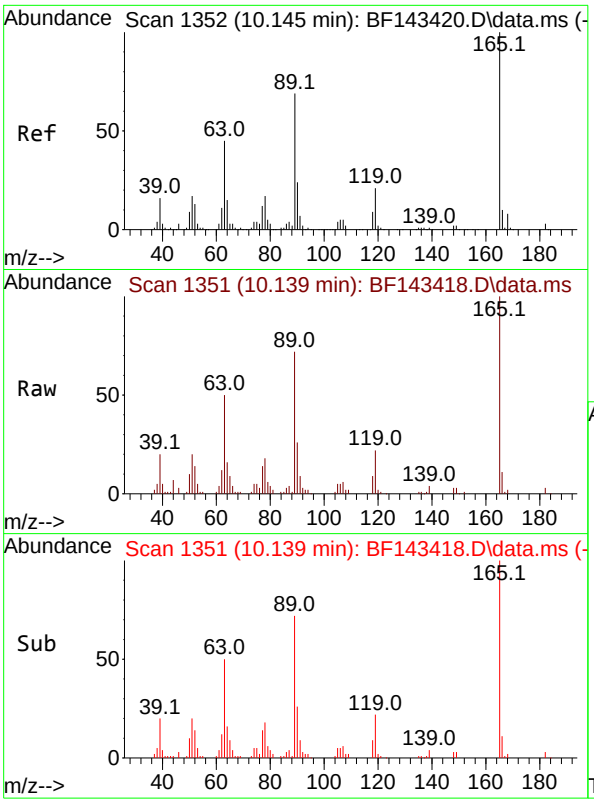


#56
4-Nitrophenol
Concen: 7.613 ng
RT: 10.081 min Scan# 1341
Delta R.T. 0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:139 Resp: 17626

Ion	Ratio	Lower	Upper
139	100		
109	68.2	47.7	87.7
65	106.4	76.4	116.4



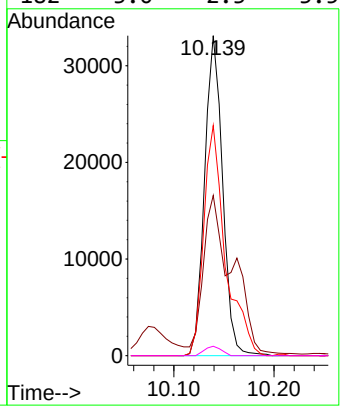


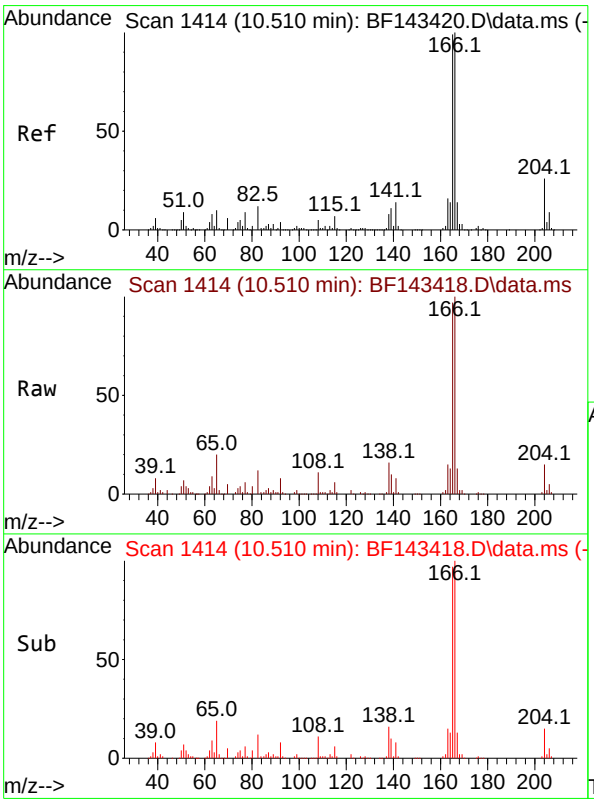
#57
2,4-Dinitrotoluene
Concen: 9.397 ng
RT: 10.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 41418

Ion	Ratio	Lower	Upper
165	100		
63	50.0	37.0	55.6
89	71.9	55.4	83.0
182	3.0	2.3	3.5

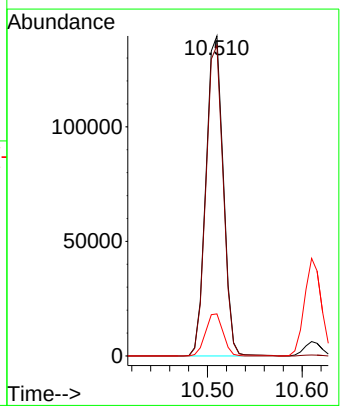


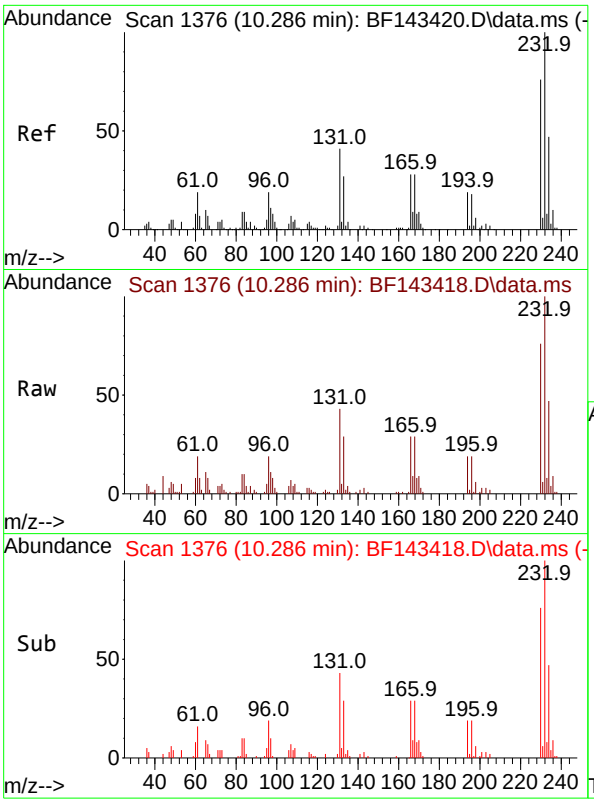


#58
Fluorene
Concen: 11.045 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:166 Resp: 177326

Ion	Ratio	Lower	Upper
166	100		
165	97.0	79.0	118.6
167	13.1	10.9	16.3



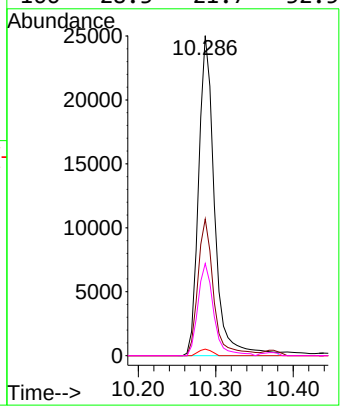


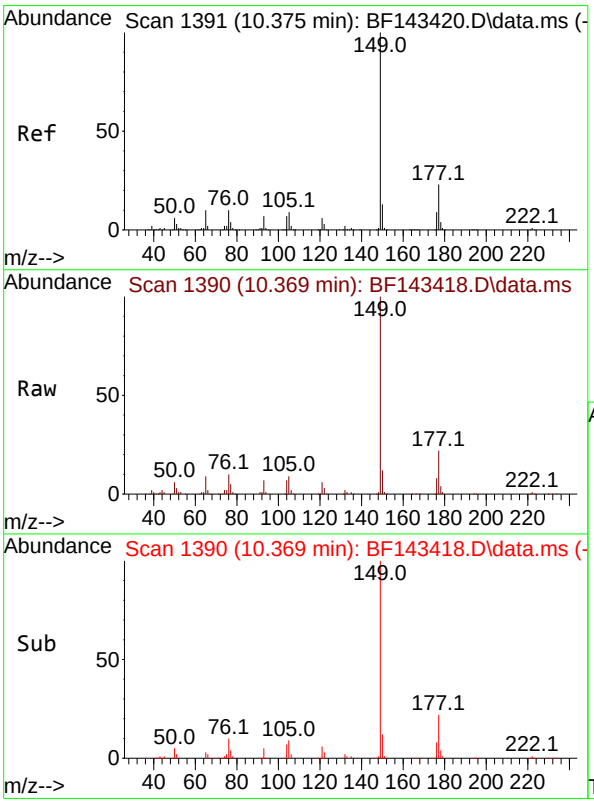
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.397 ng
RT: 10.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 35679

Ion	Ratio	Lower	Upper
232	100		
131	42.3	32.0	48.0
130	1.7	1.7	2.5
166	28.3	21.7	32.5

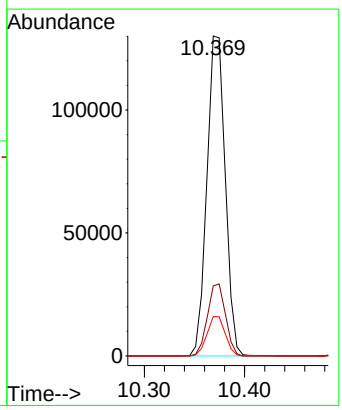


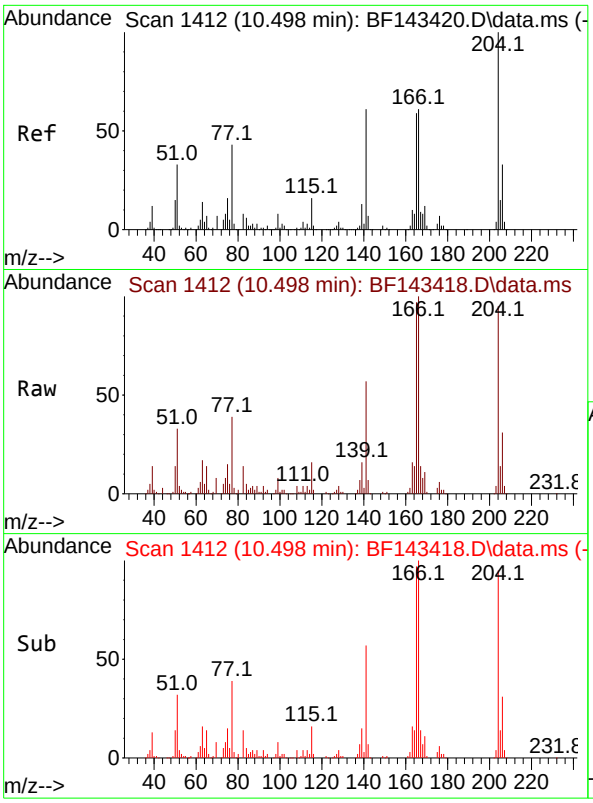


#60
Diethylphthalate
Concen: 10.700 ng
RT: 10.369 min Scan# 1390
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:149 Resp: 165814

Ion	Ratio	Lower	Upper
149	100		
177	21.9	18.2	27.4
150	12.3	10.1	15.1



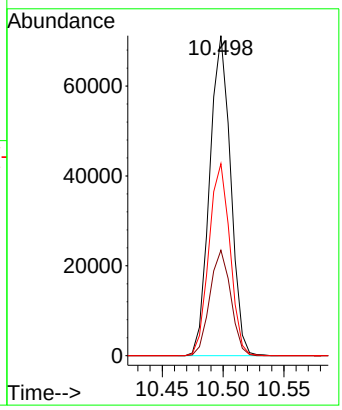


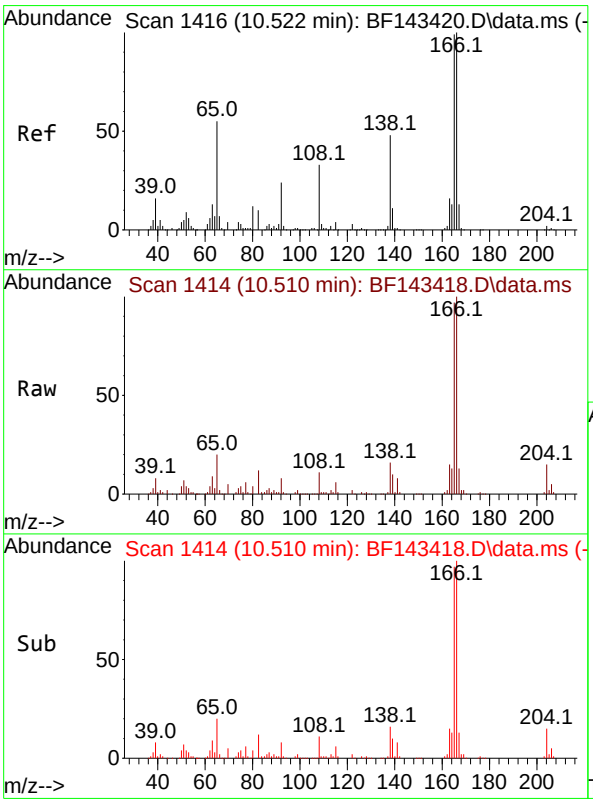
#61
4-Chlorophenyl-phenylether
Concen: 10.729 ng
RT: 10.498 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 85166

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.5	39.7
141	60.0	49.0	73.4

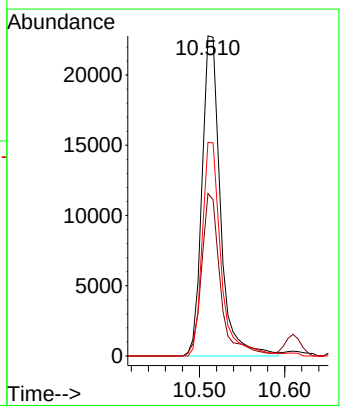


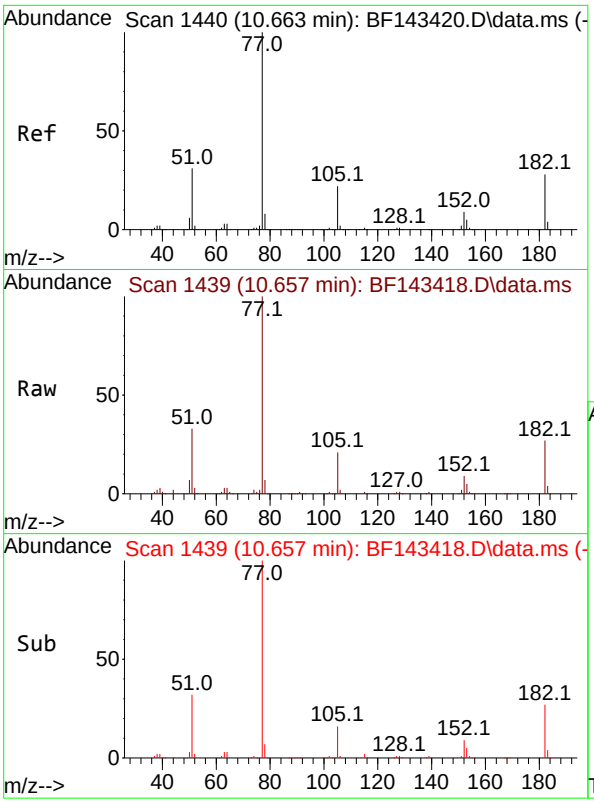


#62
4-Nitroaniline
Concen: 9.957 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:138 Resp: 34292

Ion	Ratio	Lower	Upper
138	100		
92	50.7	29.4	69.4
108	66.8	48.6	88.6



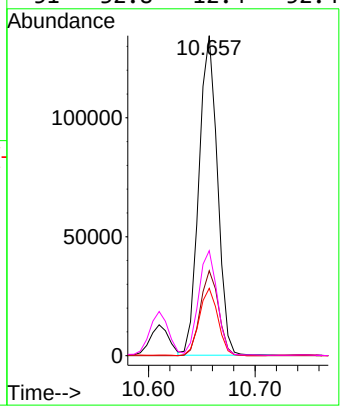


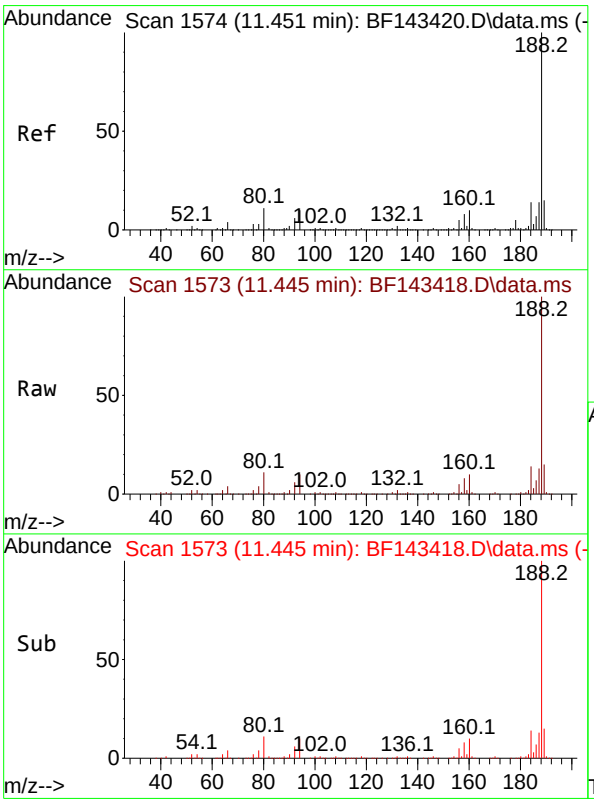
#63
Azobenzene
Concen: 10.395 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 162818

Ion	Ratio	Lower	Upper
77	100		
182	26.6	7.4	47.4
105	21.1	1.7	41.7
51	32.8	12.4	52.4

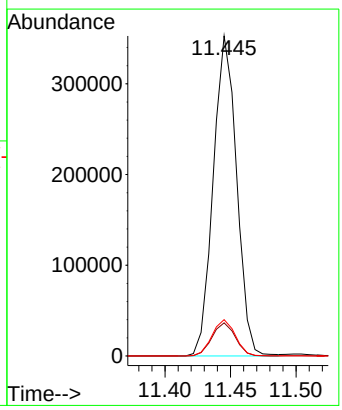


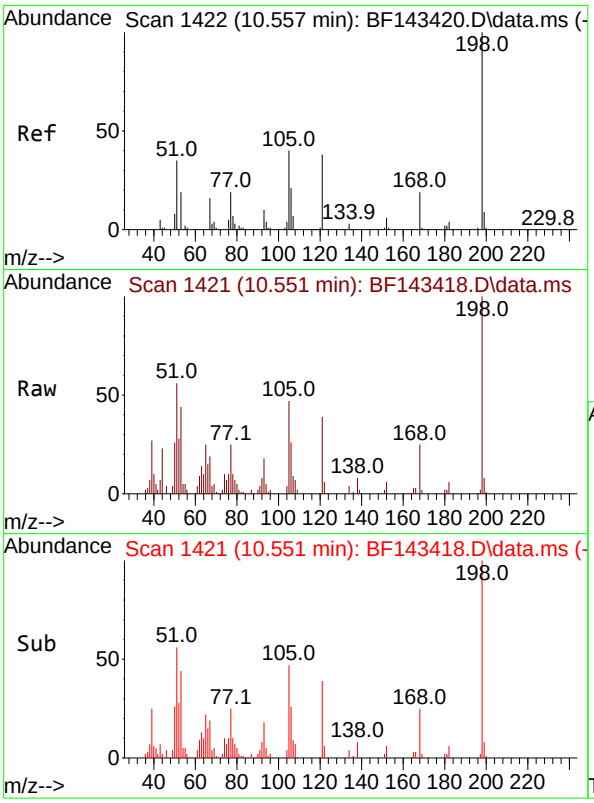


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:188 Resp: 437552

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.0	12.0
80	11.4	8.6	12.8



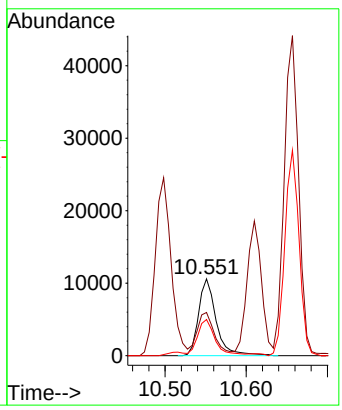


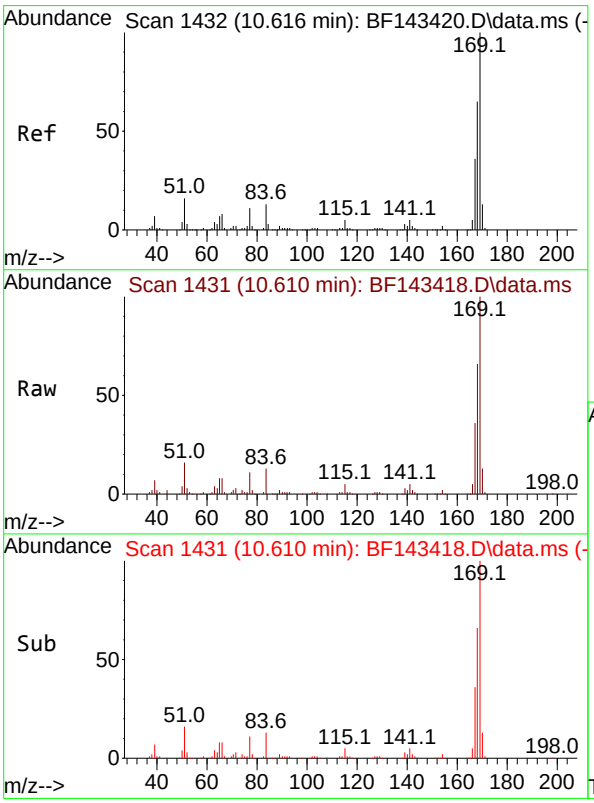
#65
4,6-Dinitro-2-methylphenol
Concen: 7.065 ng
RT: 10.551 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 15949

Ion	Ratio	Lower	Upper
198	100		
51	56.2	31.2	71.2
105	47.0	21.7	61.7

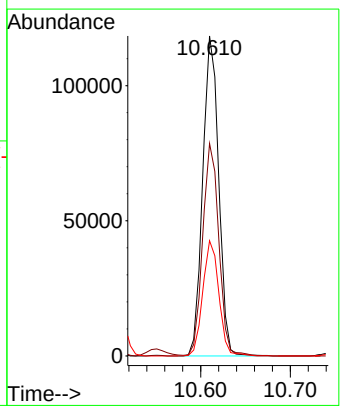


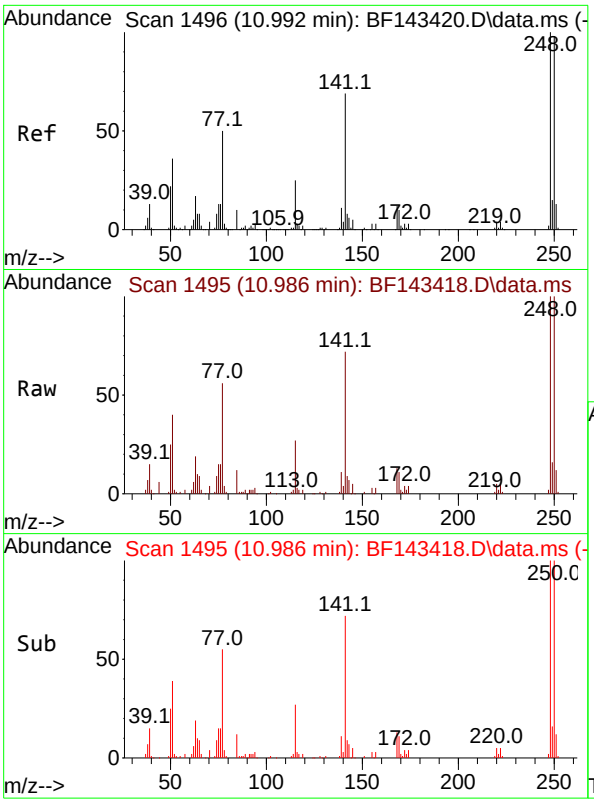


#66
n-Nitrosodiphenylamine
Concen: 10.259 ng
RT: 10.610 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:169 Resp: 145957

Ion	Ratio	Lower	Upper
169	100		
168	66.4	52.5	78.7
167	36.0	28.6	42.8



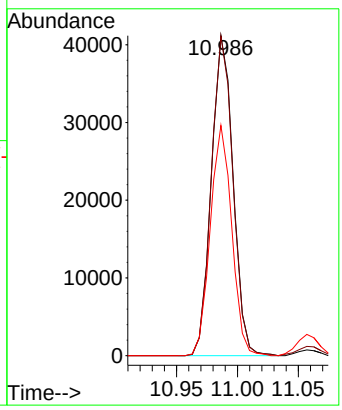


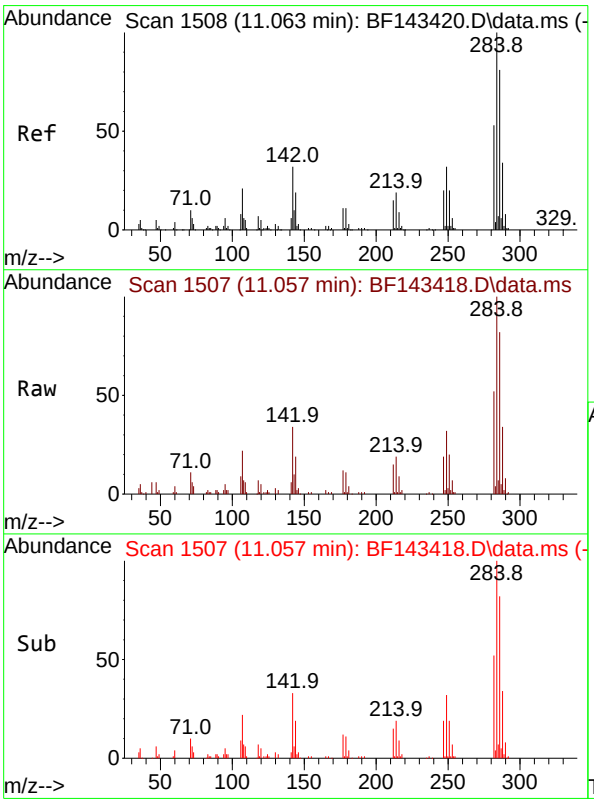
#67
4-Bromophenyl-phenylether
Concen: 9.892 ng
RT: 10.986 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 51111

Ion	Ratio	Lower	Upper
248	100		
250	99.8	78.6	118.0
141	71.9	54.9	82.3

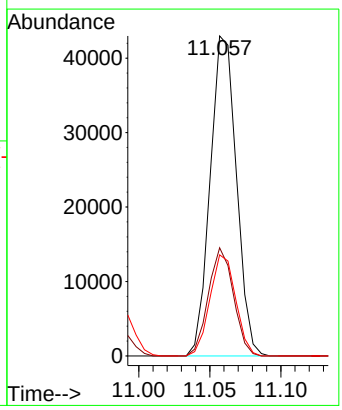


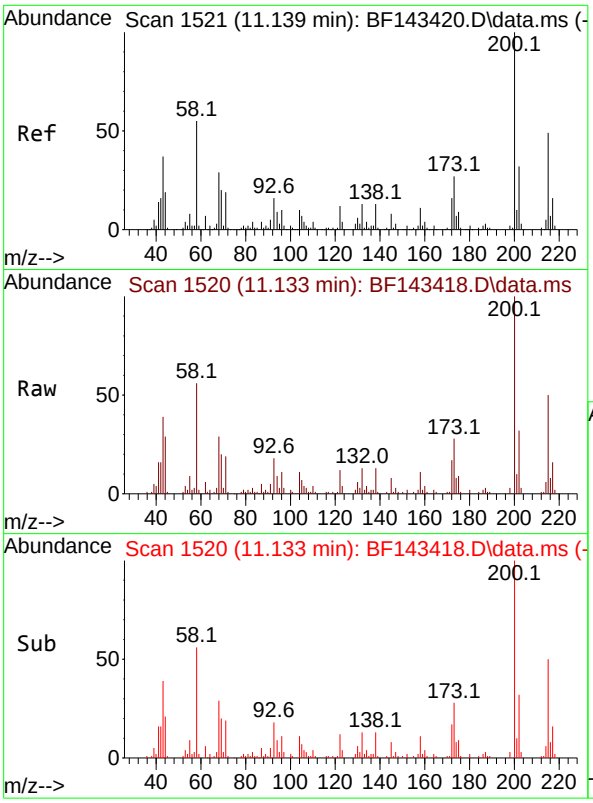


#68
Hexachlorobenzene
Concen: 10.051 ng
RT: 11.057 min Scan# 1507
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:284 Resp: 55212

Ion	Ratio	Lower	Upper
284	100		
142	33.8	25.4	38.2
249	31.6	25.4	38.0



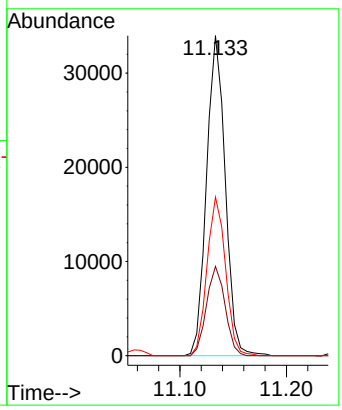


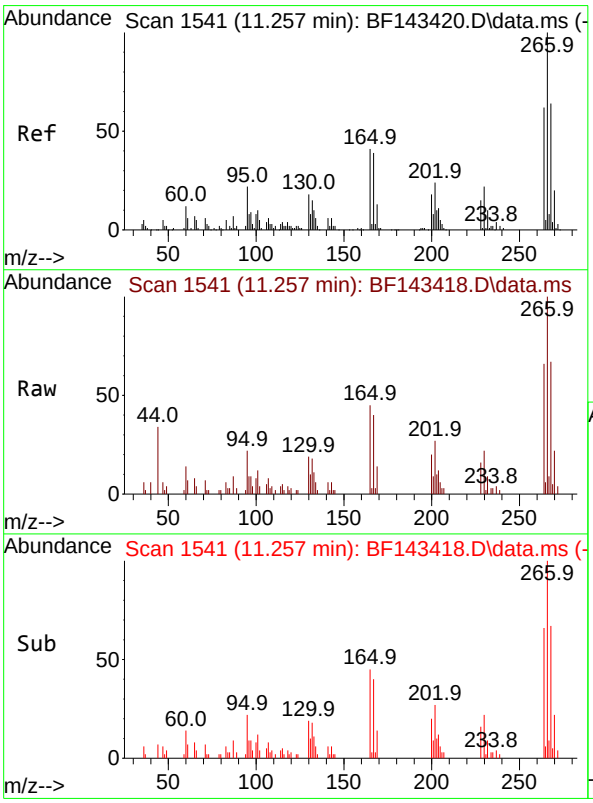
#69
Atrazine
Concen: 9.947 ng
RT: 11.133 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 41393

Ion	Ratio	Lower	Upper
200	100		
173	27.9	6.6	46.6
215	49.5	29.5	69.5

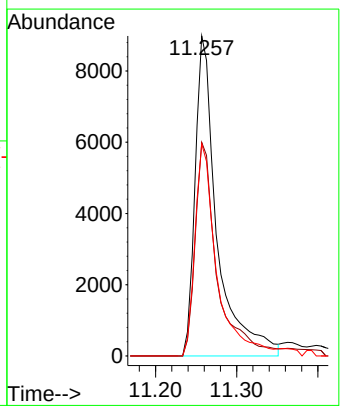


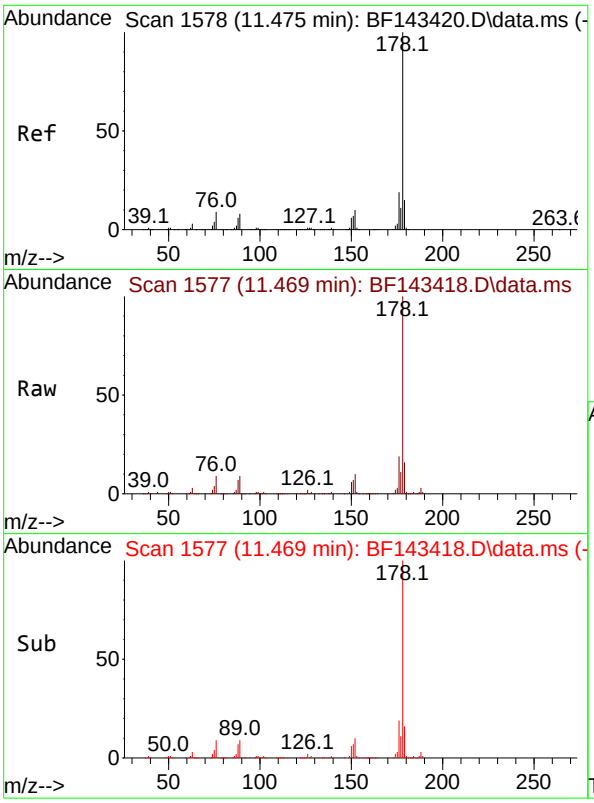


#70
Pentachlorophenol
Concen: 6.949 ng
RT: 11.257 min Scan# 1541
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:266 Resp: 16946

Ion	Ratio	Lower	Upper
266	100		
268	66.7	51.0	76.6
264	66.3	49.3	73.9



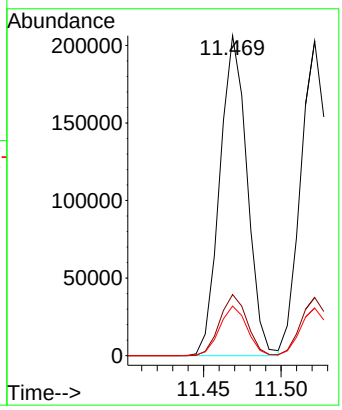


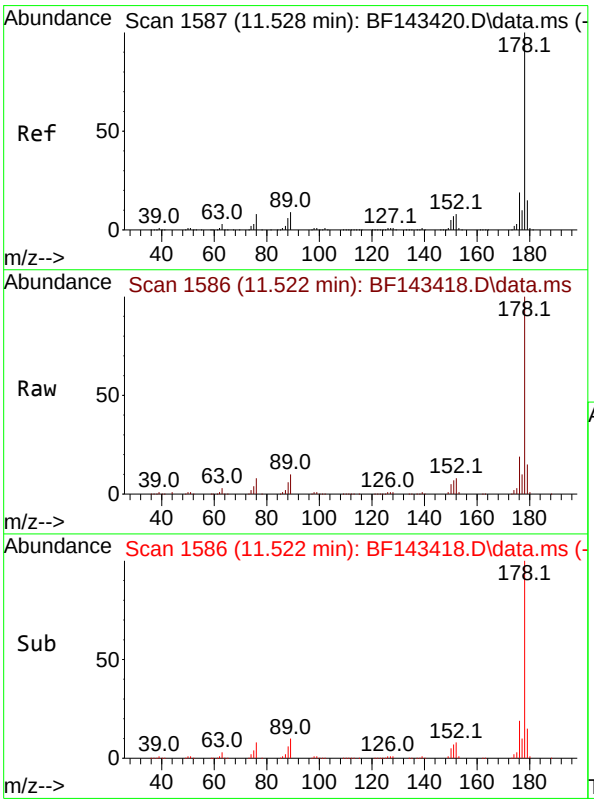
#71
Phenanthrene
Concen: 10.668 ng
RT: 11.469 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 252765

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.5	12.3	18.5

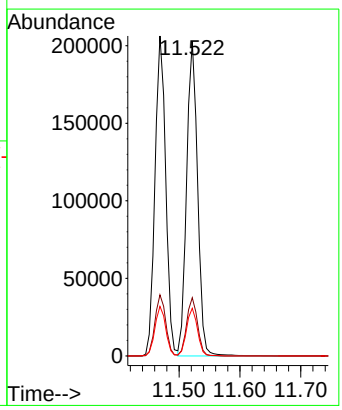


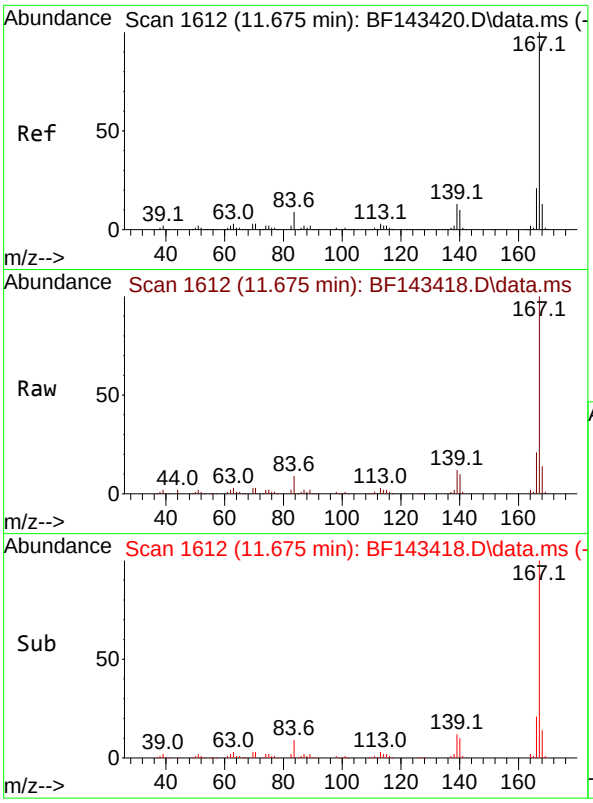


#72
Anthracene
Concen: 10.595 ng
RT: 11.522 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:178 Resp: 253551

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.2	12.2	18.4



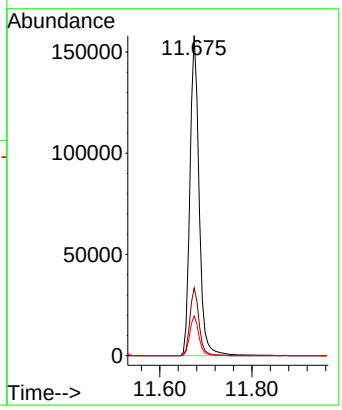


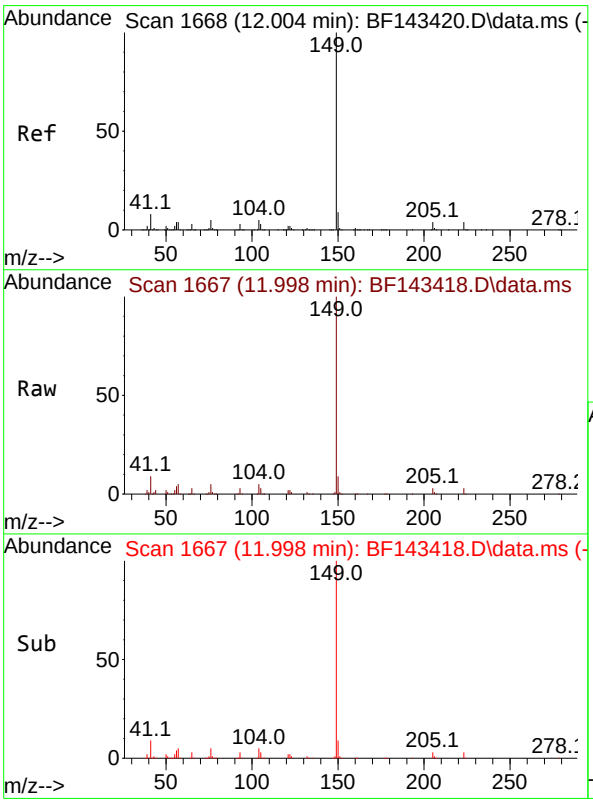
#73
Carbazole
Concen: 10.754 ng
RT: 11.675 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 217667

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.2	25.8
139	12.4	10.1	15.1

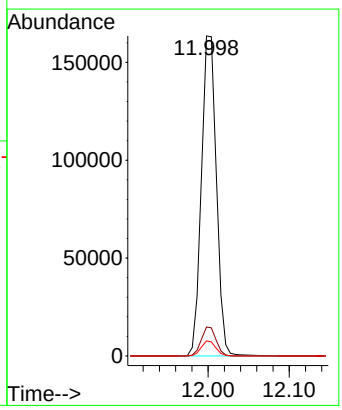


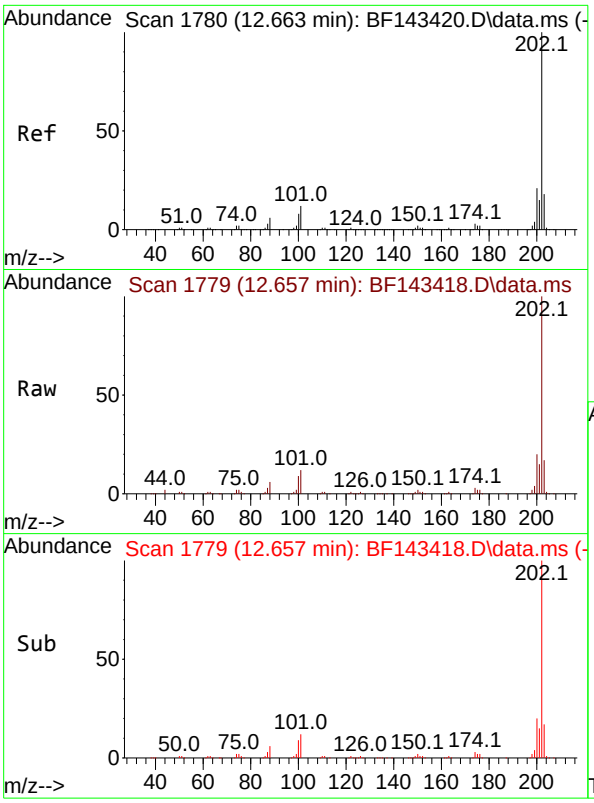


#74
Di-n-butylphthalate
Concen: 10.409 ng
RT: 11.998 min Scan# 1667
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:149 Resp: 209808

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.3	10.9
104	4.7	3.8	5.6



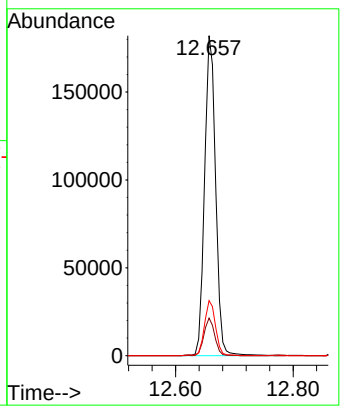


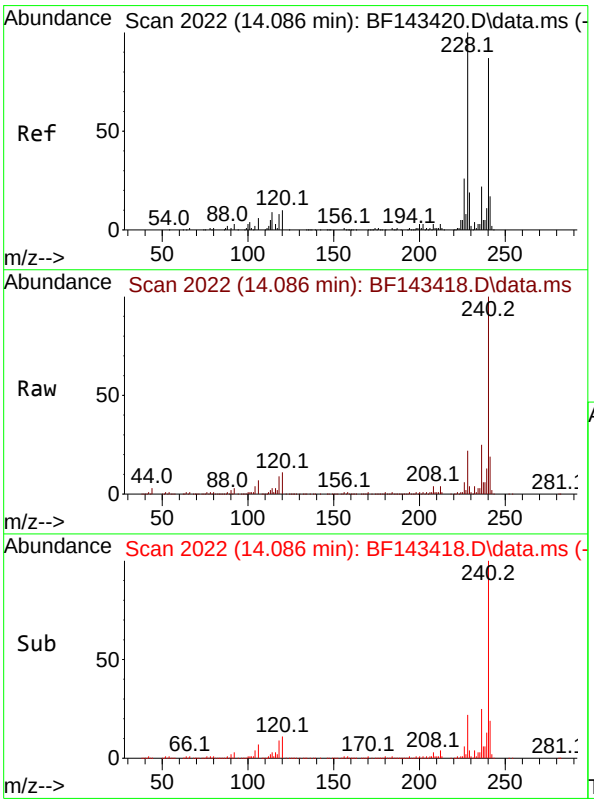
#75
Fluoranthene
Concen: 11.251 ng
RT: 12.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 236882

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	31.5
203	17.2	0.0	37.5

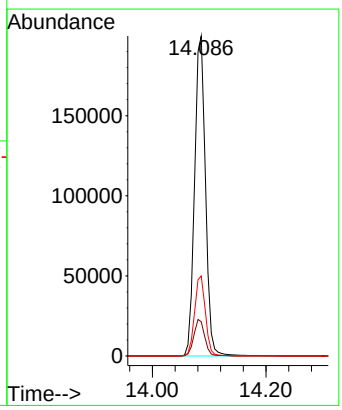


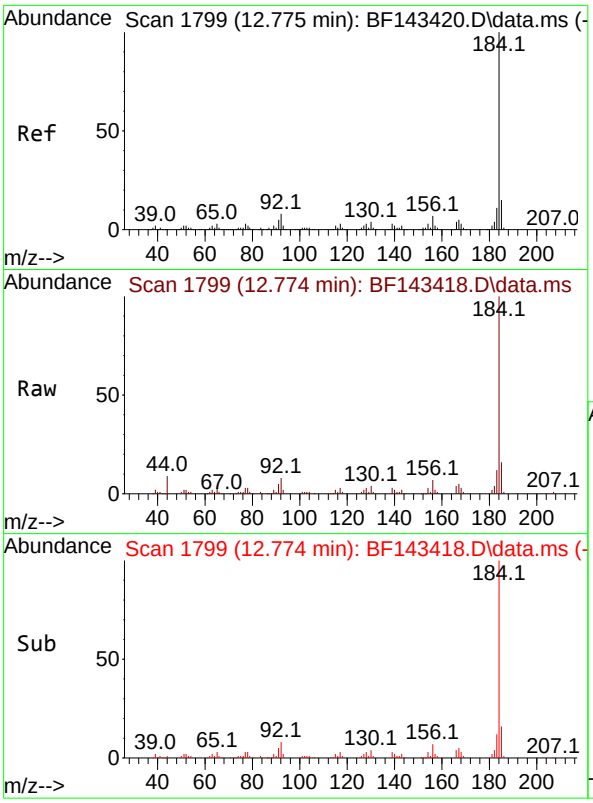


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:240 Resp: 267863

Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.0	13.4
236	25.0	20.2	30.2



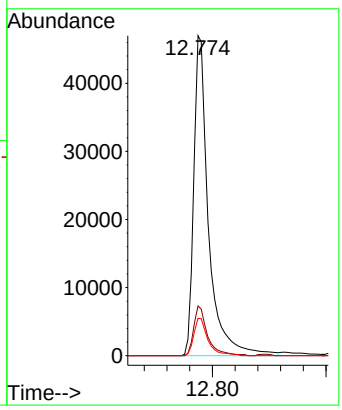


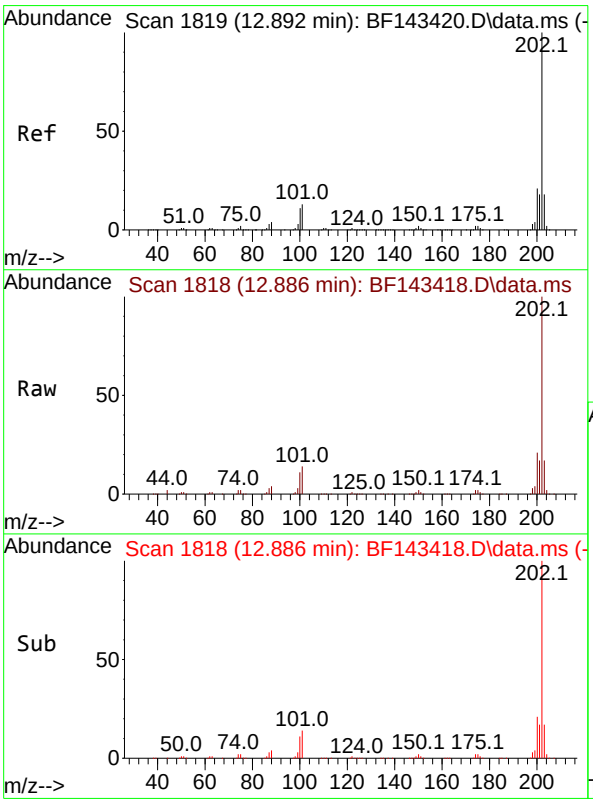
#77
Benzidine
Concen: 11.245 ng
RT: 12.774 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 85270

Ion	Ratio	Lower	Upper
184	100		
185	15.6	12.2	18.2
183	11.7	9.2	13.8

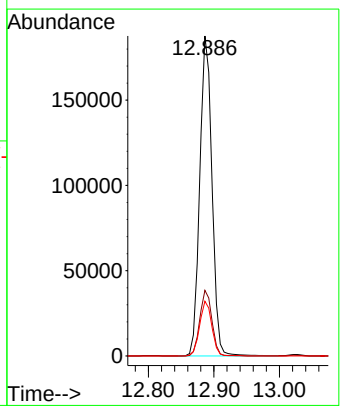


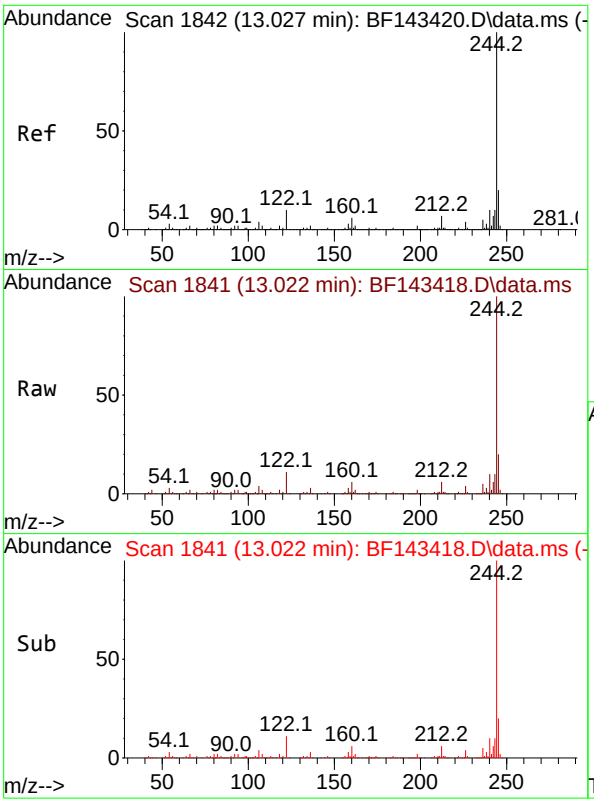


#78
Pyrene
Concen: 10.480 ng
RT: 12.886 min Scan# 1818
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:202 Resp: 243992

Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.1	25.7
203	17.1	14.2	21.2



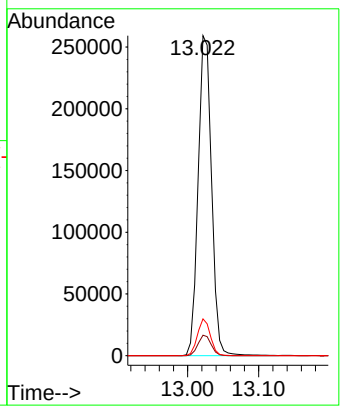


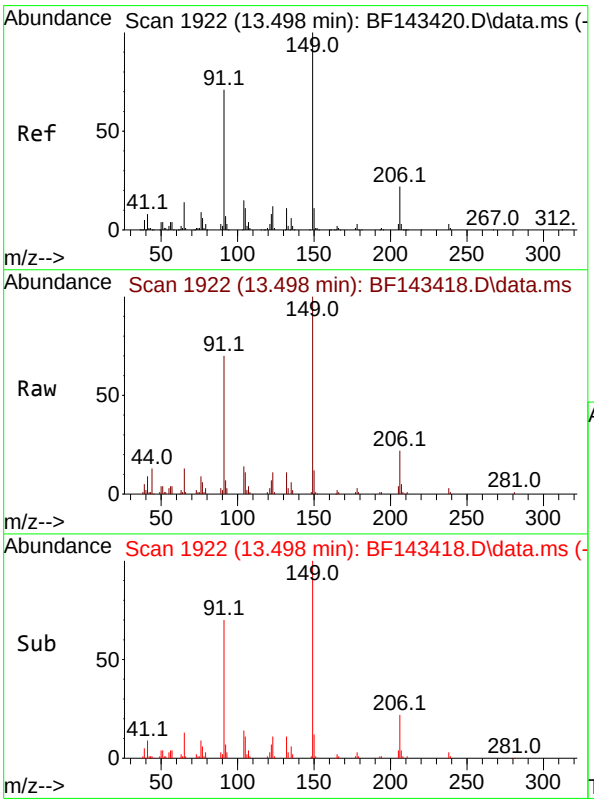
#79
Terphenyl-d14
Concen: 21.429 ng
RT: 13.022 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 341694

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	11.5	8.3	12.5

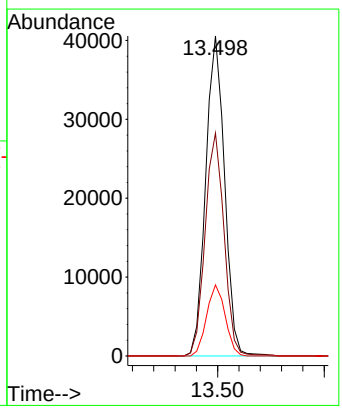


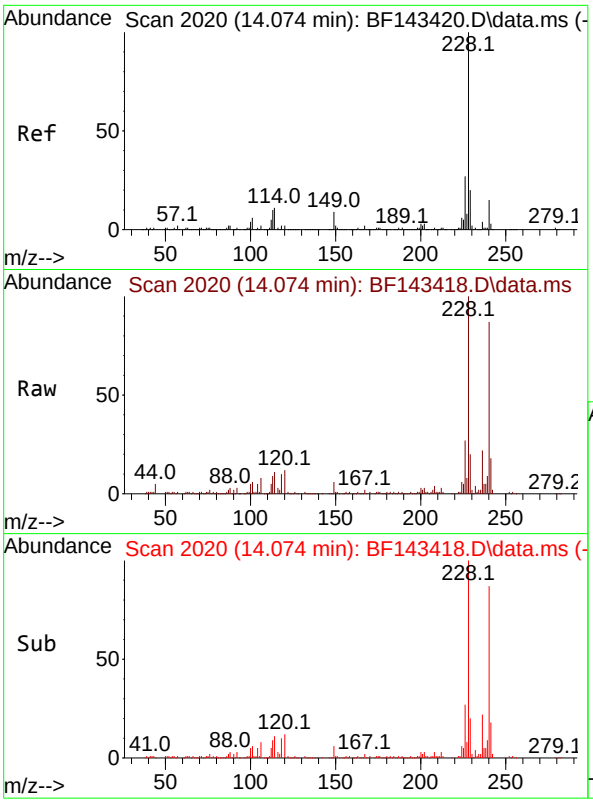


#80
Butylbenzylphthalate
Concen: 8.648 ng
RT: 13.498 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:149 Resp: 49871

Ion	Ratio	Lower	Upper
149	100		
91	69.7	57.0	85.4
206	22.2	17.6	26.4



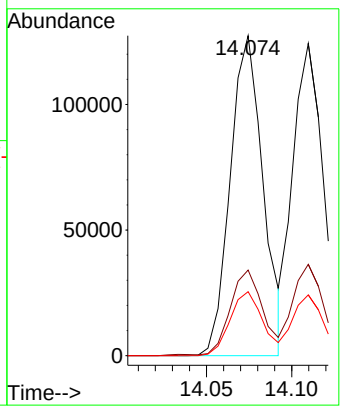


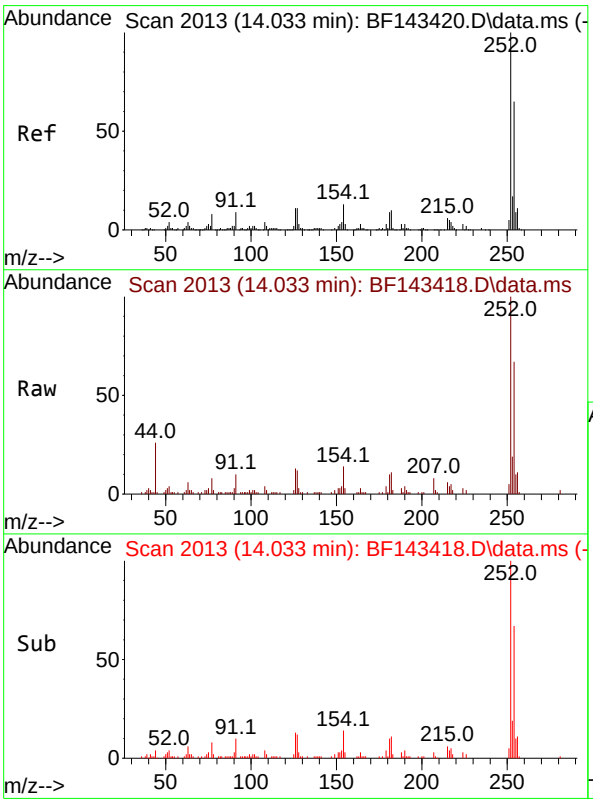
#81
Benzo(a)anthracene
Concen: 10.019 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 170857

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.5	32.3
229	20.0	15.7	23.5

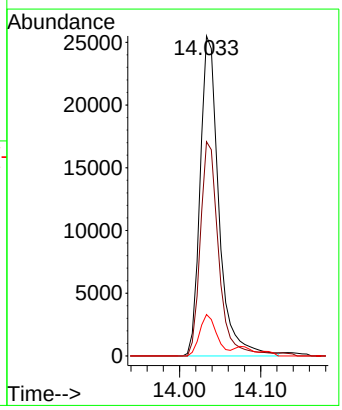


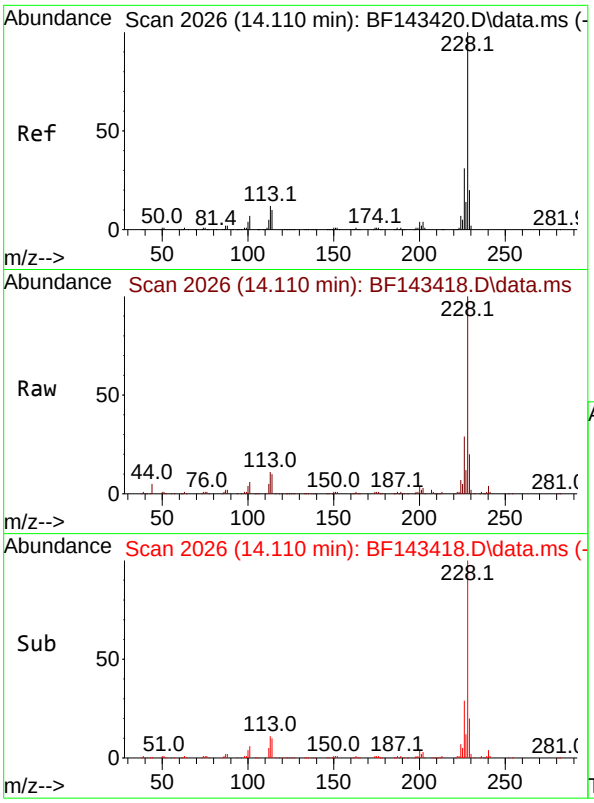


#82
3,3'-Dichlorobenzidine
Concen: 8.158 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:252 Resp: 40733

Ion	Ratio	Lower	Upper
252	100		
254	66.9	51.6	77.4
126	12.9	8.8	13.2



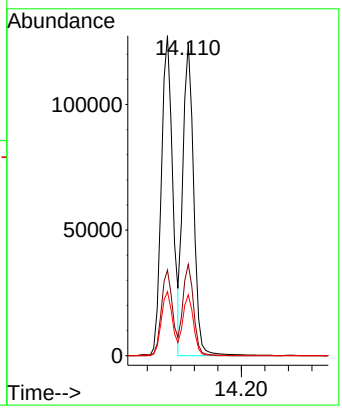


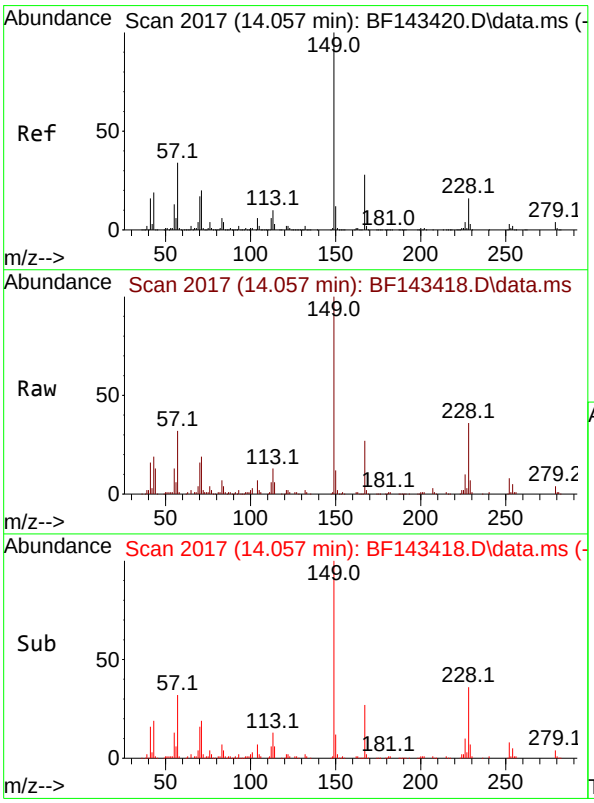
#83
Chrysene
Concen: 10.079 ng
RT: 14.110 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 158897

Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.3	36.5
229	19.5	16.1	24.1

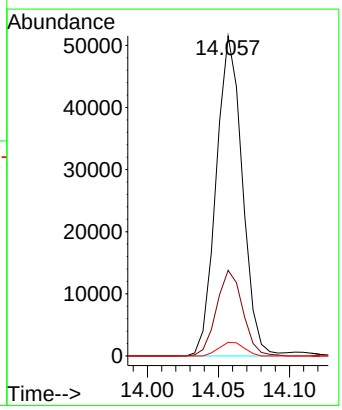


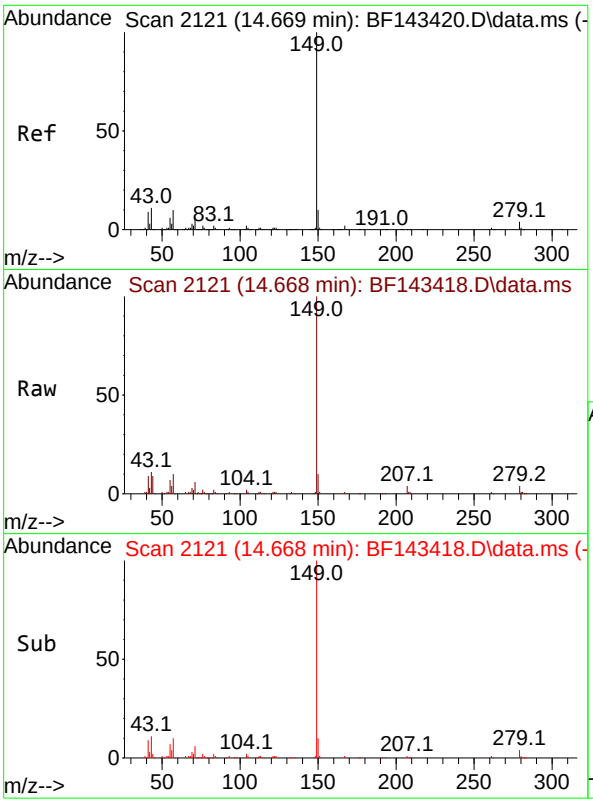


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.050 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:149 Resp: 65928

Ion	Ratio	Lower	Upper
149	100		
167	26.8	22.6	33.8
279	4.2	3.5	5.3



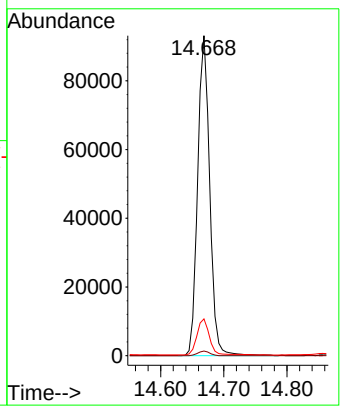


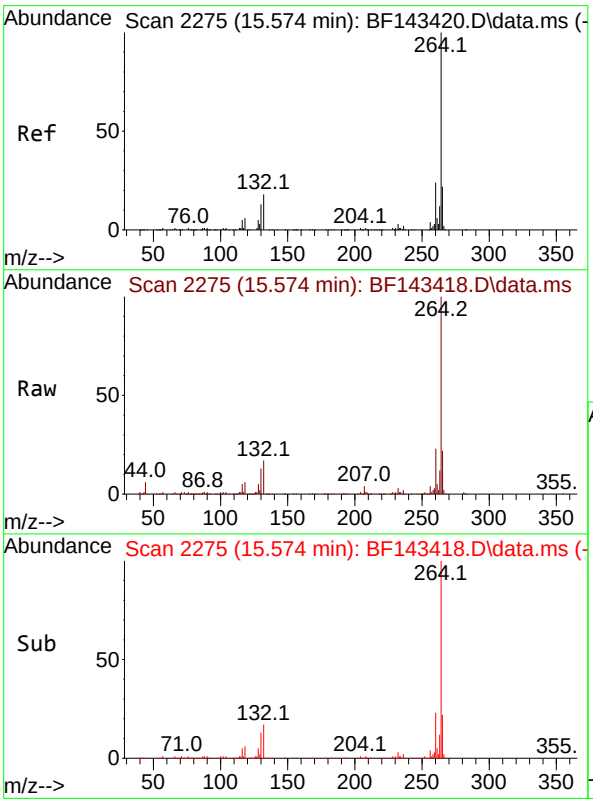
#85
Di-n-octyl phthalate
Concen: 7.410 ng
RT: 14.668 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 123077

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.2	1.8
43	11.5	9.0	13.6

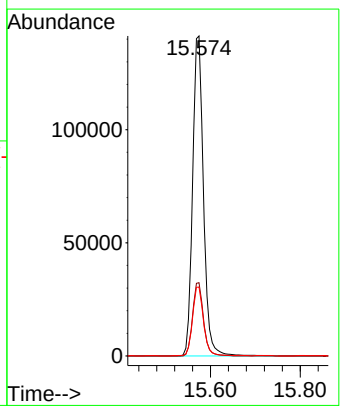


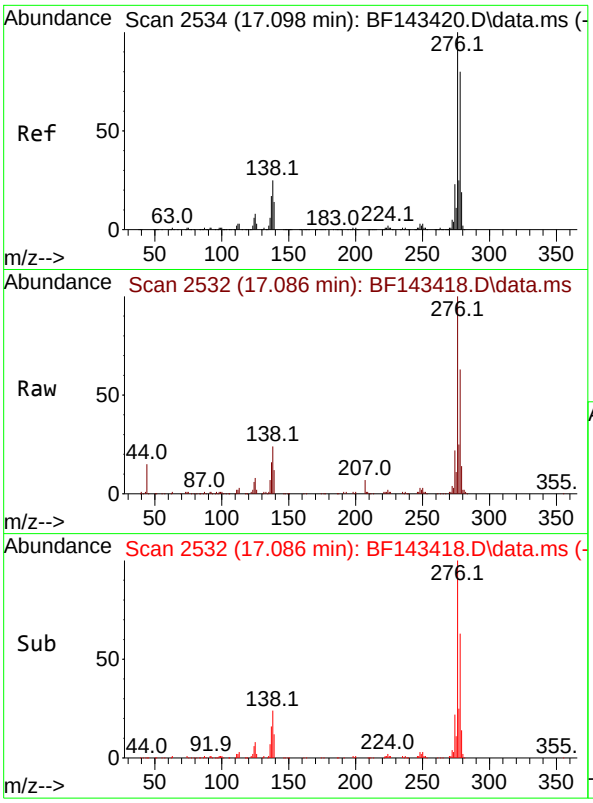


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:264 Resp: 237224

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.8	28.2
265	21.6	17.4	26.0



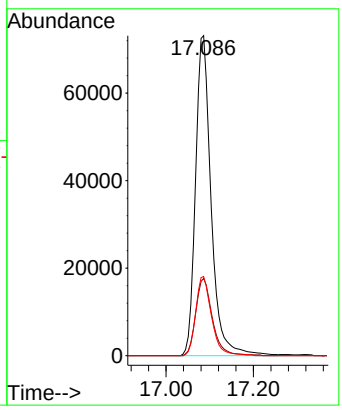


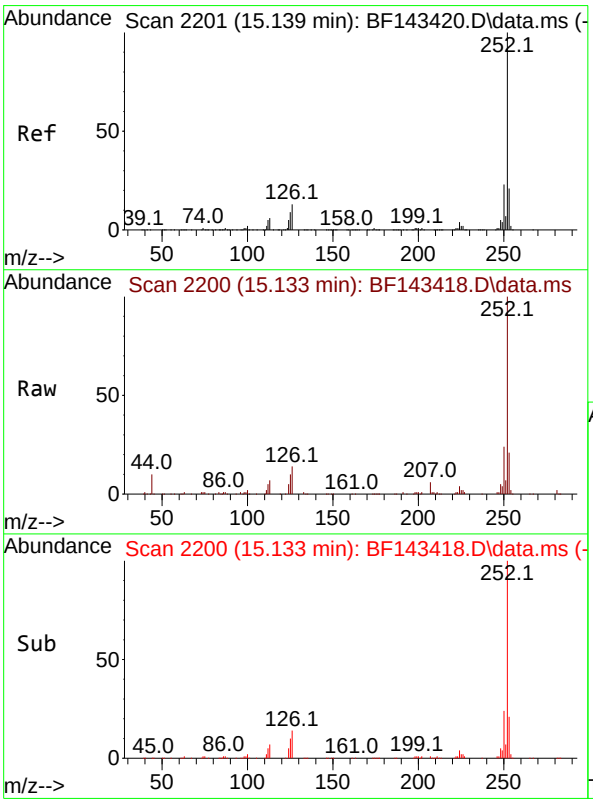
#87
Indeno(1,2,3-cd)pyrene
Concen: 10.222 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 181838

Ion	Ratio	Lower	Upper
276	100		
138	25.7	20.2	30.4
277	25.0	20.2	30.2

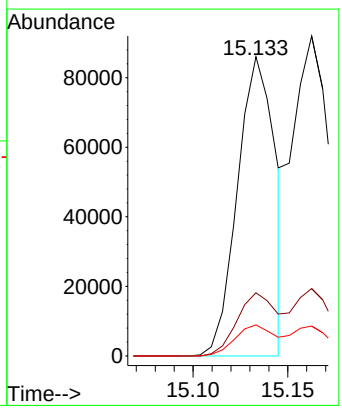


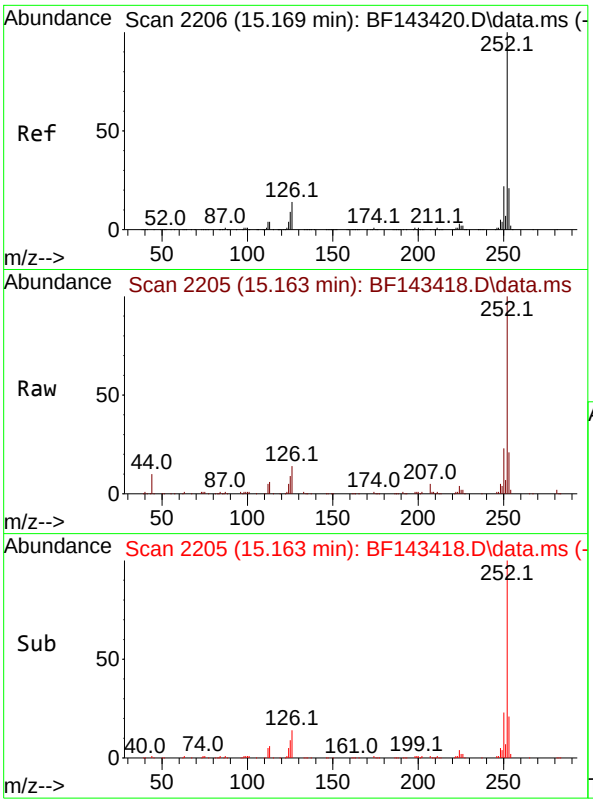


#88
Benzo(b)fluoranthene
Concen: 9.347 ng
RT: 15.133 min Scan# 2200
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:252 Resp: 118835

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.1	25.7
125	10.4	7.5	11.3



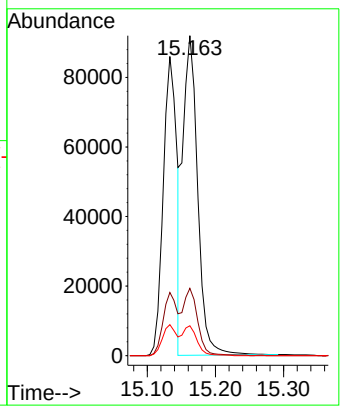


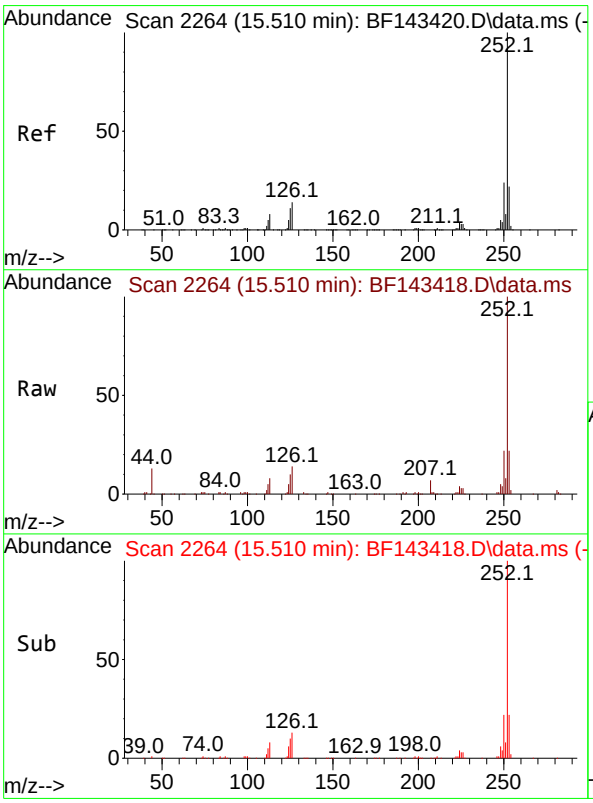
#89
Benzo(k)fluoranthene
Concen: 10.985 ng
RT: 15.163 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 137759

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.2	25.8
125	9.3	7.4	11.2

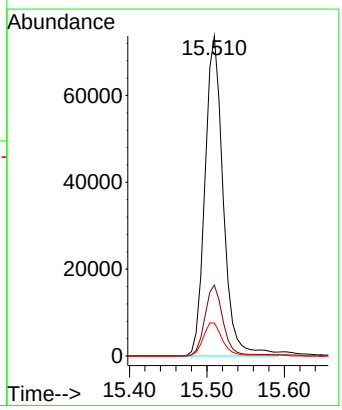


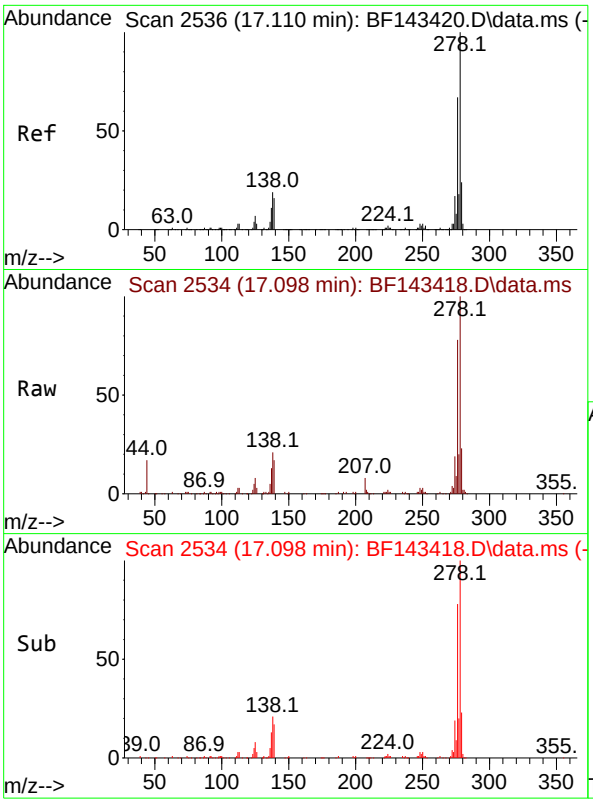


#90
Benzo(a)pyrene
Concen: 9.964 ng
RT: 15.510 min Scan# 2264
Delta R.T. -0.000 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:252 Resp: 120666

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	10.3	8.6	12.8



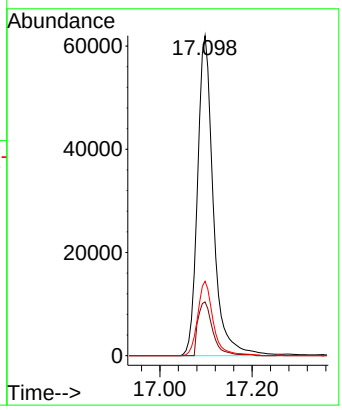


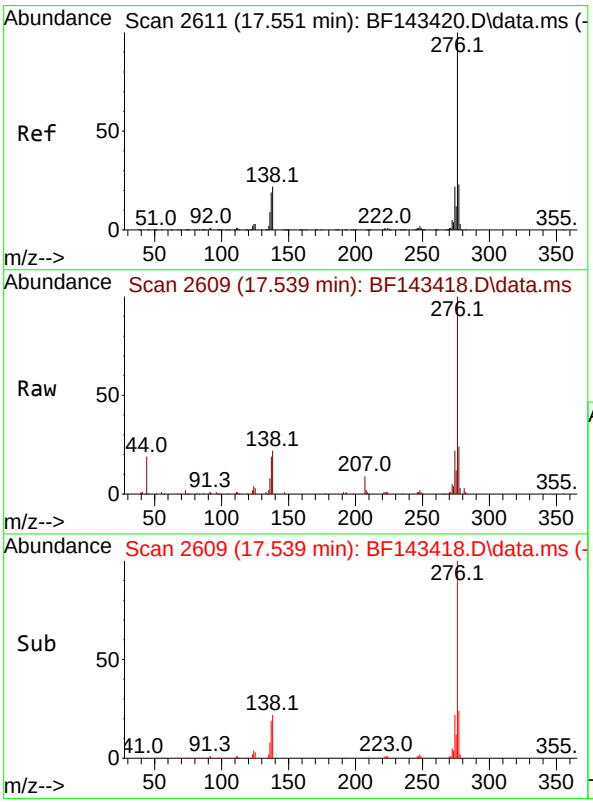
#91
Dibenzo(a,h)anthracene
Concen: 10.401 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 148583

Ion	Ratio	Lower	Upper
278	100		
139	16.8	12.9	19.3
279	23.2	19.0	28.4

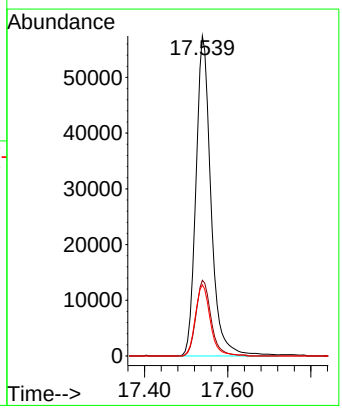




#92
Benzo(g,h,i)perylene
Concen: 10.133 ng
RT: 17.539 min Scan# 2609
Delta R.T. -0.012 min
Lab File: BF143418.D
Acq: 15 Aug 2025 15:28

Tgt Ion:276 Resp: 144617

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.7	28.1
138	22.3	17.5	26.3



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143419.D
Acq On : 15 Aug 2025 15:58
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Aug 15 18:26:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	131465	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	508953	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	281751	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	446308	20.000	ng	0.00
76) Chrysene-d12	14.086	240	237684	20.000	ng	0.00
86) Perylene-d12	15.574	264	269028	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	322905	42.697	ng	0.00
7) Phenol-d6	6.557	99	403785	42.366	ng	0.00
23) Nitrobenzene-d5	7.481	82	358277	41.772	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	104587	41.705	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	727542	43.433	ng	0.00
79) Terphenyl-d14	13.027	244	631704	44.646	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.734	88	74627	20.500	ng	99
3) Pyridine	3.516	79	195638	20.491	ng	99
4) n-Nitrosodimethylamine	3.440	42	88004	19.831	ng	97
6) Aniline	6.587	93	274228	21.194	ng	98
8) 2-Chlorophenol	6.716	128	177182	21.221	ng	98
9) Benzaldehyde	6.475	77	140473	27.706	ng	99
10) Phenol	6.569	94	239446	21.530	ng	92
11) bis(2-Chloroethyl)ether	6.657	93	171939	20.856	ng	98
12) 1,3-Dichlorobenzene	6.869	146	197517	21.118	ng	99
13) 1,4-Dichlorobenzene	6.946	146	196309	21.024	ng	99
14) 1,2-Dichlorobenzene	7.098	146	188077	21.088	ng	100
15) Benzyl Alcohol	7.063	79	145881	20.755	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.193	45	301172	21.369	ng	99
17) 2-Methylphenol	7.175	107	141953	20.838	ng	98
18) Hexachloroethane	7.440	117	67502	21.238	ng	99
19) n-Nitroso-di-n-propyla...	7.328	70	123829	20.987	ng	98
20) 3+4-Methylphenols	7.328	107	182897	22.454	ng	98
22) Acetophenone	7.328	105	234922	21.468	ng	99
24) Nitrobenzene	7.504	77	189535	21.143	ng	99
25) Isophorone	7.740	82	341350	20.794	ng	100
26) 2-Nitrophenol	7.822	139	86694	20.862	ng	99
27) 2,4-Dimethylphenol	7.857	122	153145	21.796	ng	99
28) bis(2-Chloroethoxy)met...	7.951	93	210282	20.840	ng	100
29) 2,4-Dichlorophenol	8.069	162	153094	21.374	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	154544	21.058	ng	98
31) Naphthalene	8.228	128	515775	21.346	ng	100
32) Benzoic acid	7.957	122	63632	17.496	ng	95
33) 4-Chloroaniline	8.275	127	184406	21.143	ng	99
34) Hexachlorobutadiene	8.351	225	97824	20.903	ng	99
35) Caprolactam	8.622	113	42831	20.770	ng	97
36) 4-Chloro-3-methylphenol	8.757	107	153403	20.795	ng	98
37) 2-Methylnaphthalene	8.922	142	349766	21.475	ng	100
38) 1-Methylnaphthalene	9.022	142	337056	21.600	ng	100
40) 1,2,4,5-Tetrachloroben...	9.087	216	164739	20.965	ng	99
41) Hexachlorocyclopentadiene	9.075	237	39498	19.242	ng	99
43) 2,4,6-Trichlorophenol	9.198	196	102250	20.860	ng	99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143419.D
Acq On : 15 Aug 2025 15:58
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Aug 15 18:26:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration

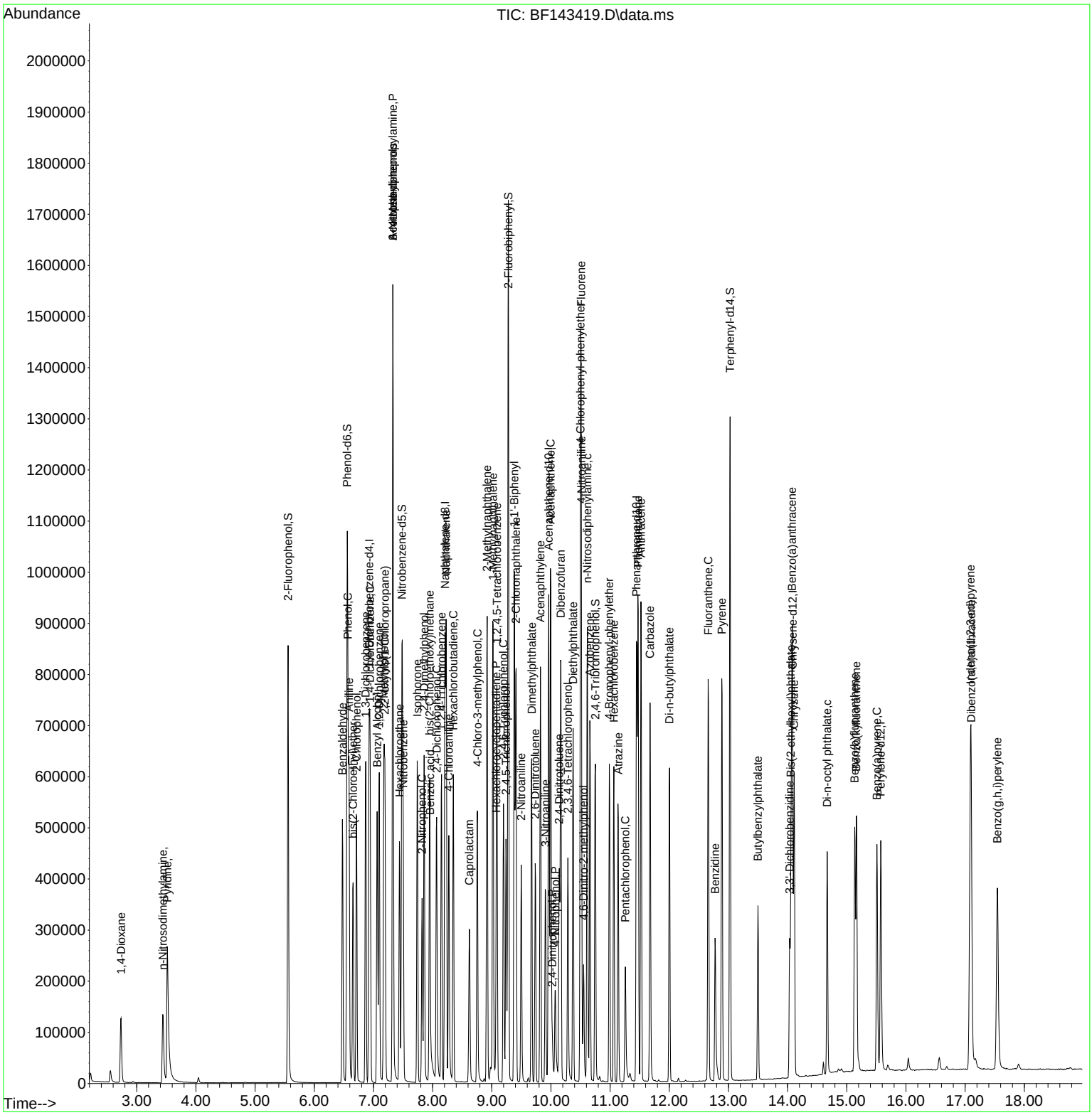
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.239	196	111266	21.177	ng	98
46) 1,1'-Biphenyl	9.381	154	423276	21.382	ng	99
47) 2-Chloronaphthalene	9.410	162	332051	21.249	ng	98
48) 2-Nitroaniline	9.498	65	96534	20.759	ng	100
49) Acenaphthylene	9.822	152	480293	21.288	ng	99
50) Dimethylphthalate	9.675	163	367621	20.928	ng	99
51) 2,6-Dinitrotoluene	9.734	165	72730	21.003	ng	99
52) Acenaphthene	9.992	154	322026	21.221	ng	100
53) 3-Nitroaniline	9.910	138	79853	20.702	ng	99
54) 2,4-Dinitrophenol	10.022	184	24644	19.975	ng	97
55) Dibenzofuran	10.169	168	468229	21.390	ng	99
56) 4-Nitrophenol	10.075	139	47964	19.778	ng	98
57) 2,4-Dinitrotoluene	10.139	165	97735	21.170	ng	97
58) Fluorene	10.510	166	362746	21.570	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.286	232	82552	20.756	ng	96
60) Diethylphthalate	10.375	149	342918	21.125	ng	99
61) 4-Chlorophenyl-phenyle...	10.498	204	175302	21.084	ng	99
62) 4-Nitroaniline	10.516	138	76220	21.129	ng	99
63) Azobenzene	10.657	77	346304	21.108	ng	98
65) 4,6-Dinitro-2-methylph...	10.551	198	43027	18.685	ng	96
66) n-Nitrosodiphenylamine	10.616	169	301902	20.804	ng	99
67) 4-Bromophenyl-phenylether	10.986	248	108605	20.607	ng	96
68) Hexachlorobenzene	11.063	284	115655	20.642	ng	99
69) Atrazine	11.139	200	87958	20.722	ng	98
70) Pentachlorophenol	11.257	266	47465	19.081	ng	98
71) Phenanthrene	11.475	178	505004	20.895	ng	100
72) Anthracene	11.522	178	520546	21.325	ng	100
73) Carbazole	11.675	167	435759	21.107	ng	100
74) Di-n-butylphthalate	12.004	149	433056	21.064	ng	100
75) Fluoranthene	12.657	202	458001	21.327	ng	99
77) Benzidine	12.775	184	178128	26.473	ng	99
78) Pyrene	12.886	202	463473	22.435	ng	99
80) Butylbenzylphthalate	13.498	149	105931	20.702	ng	99
81) Benzo(a)anthracene	14.074	228	313332	20.706	ng	100
82) 3,3'-Dichlorobenzidine	14.033	252	90692	20.470	ng	98
83) Chrysene	14.110	228	294690	21.065	ng	98
84) Bis(2-ethylhexyl)phtha...	14.057	149	148211	20.395	ng	99
85) Di-n-octyl phthalate	14.669	149	287456	19.503	ng	100
87) Indeno(1,2,3-cd)pyrene	17.092	276	422226	20.929	ng	99
88) Benzo(b)fluoranthene	15.133	252	311415	21.598	ng	99
89) Benzo(k)fluoranthene	15.163	252	274840	19.326	ng	99
90) Benzo(a)pyrene	15.510	252	283654	20.655	ng	99
91) Dibenzo(a,h)anthracene	17.104	278	343124	21.179	ng	99
92) Benzo(g,h,i)perylene	17.545	276	338060	20.888	ng	100

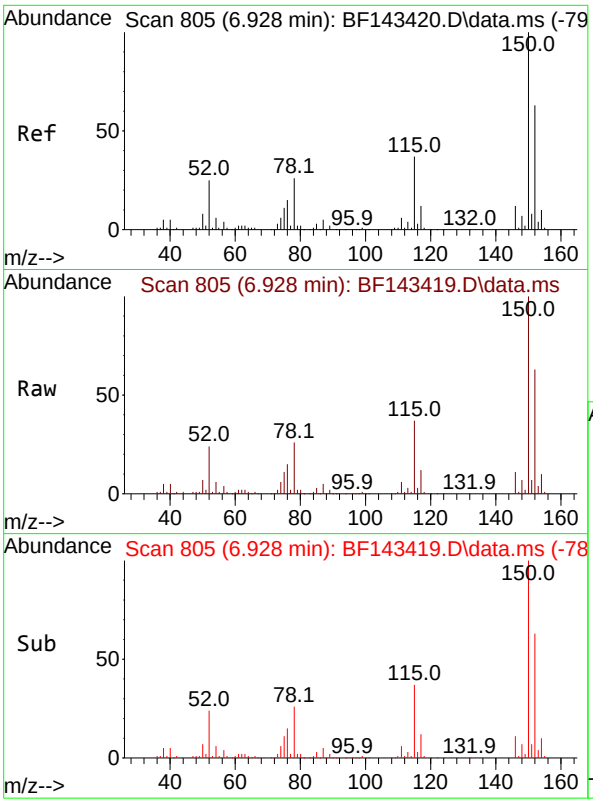
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081525\
Data File : BF143419.D
Acq On : 15 Aug 2025 15:58
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Aug 15 18:26:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 15 18:23:08 2025
Response via : Initial Calibration



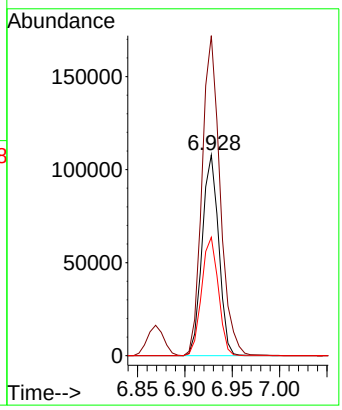


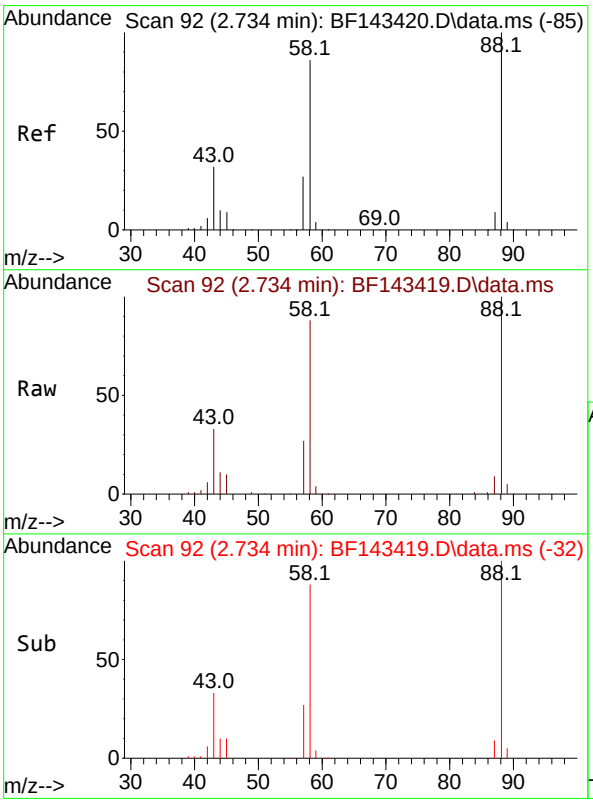
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 131465

Ion	Ratio	Lower	Upper
152	100		
150	159.5	127.4	191.2
115	59.0	47.5	71.3

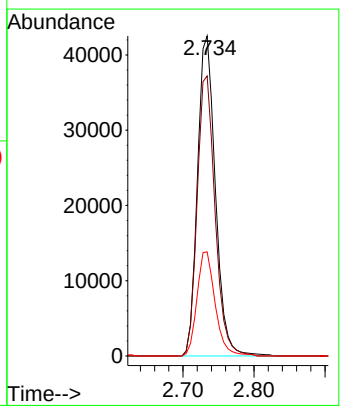


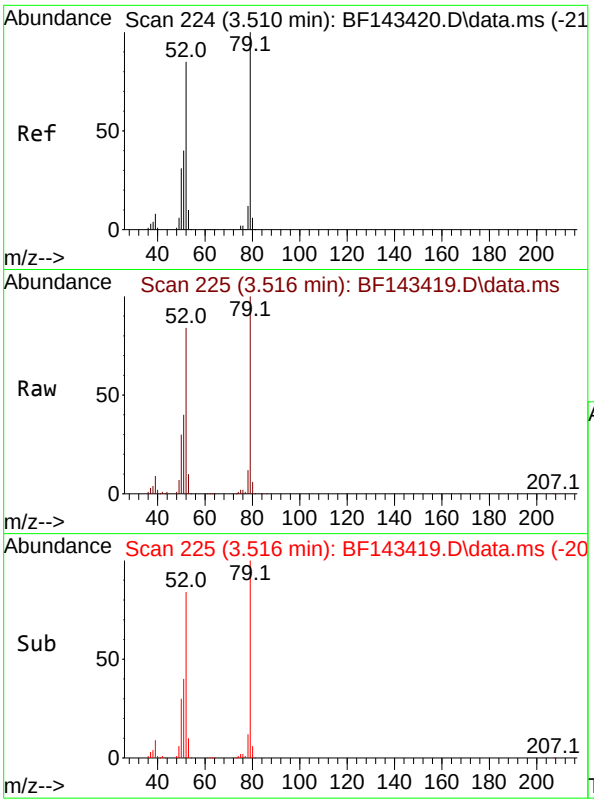


#2
1,4-Dioxane
Concen: 20.500 ng
RT: 2.734 min Scan# 92
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 88 Resp: 74627

Ion	Ratio	Lower	Upper
88	100		
58	87.5	68.7	103.1
43	33.1	26.1	39.1



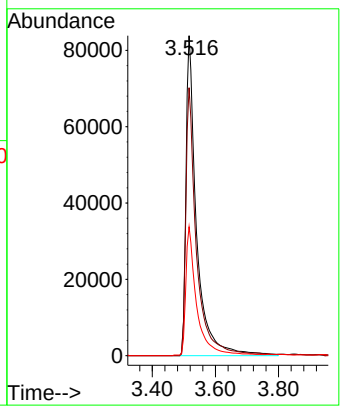


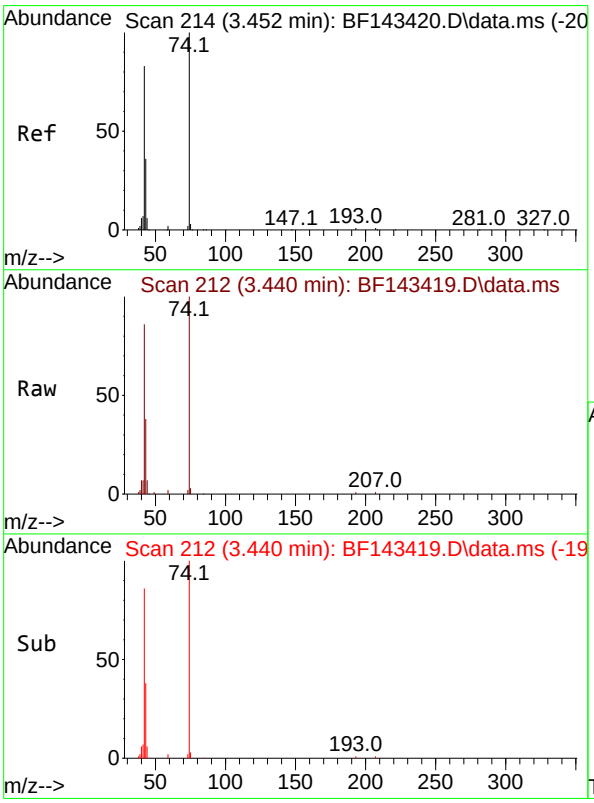
#3
Pyridine
Concen: 20.491 ng
RT: 3.516 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 195638

Ion	Ratio	Lower	Upper
79	100		
52	83.8	67.7	101.5
51	40.3	32.3	48.5

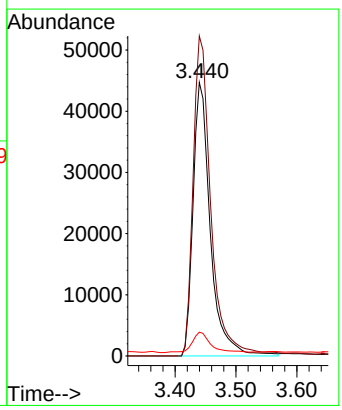


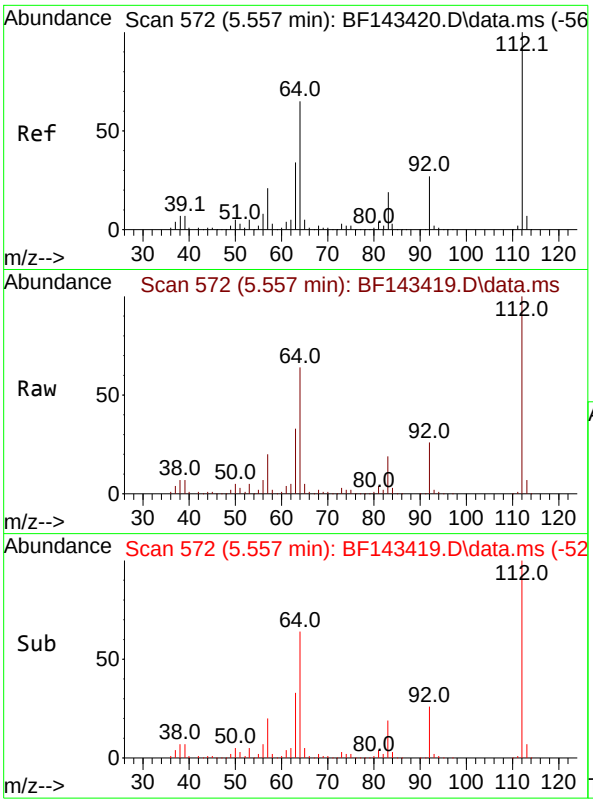


#4
n-Nitrosodimethylamine
Concen: 19.831 ng
RT: 3.440 min Scan# 212
Delta R.T. -0.012 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 42 Resp: 88004

Ion	Ratio	Lower	Upper
42	100		
74	117.0	96.2	144.4
44	8.7	5.9	8.9



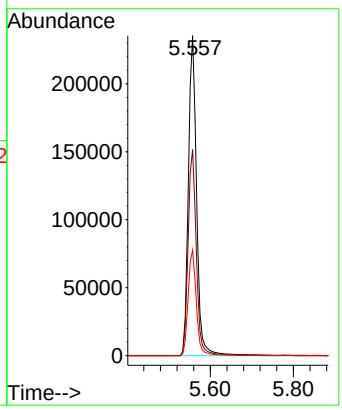


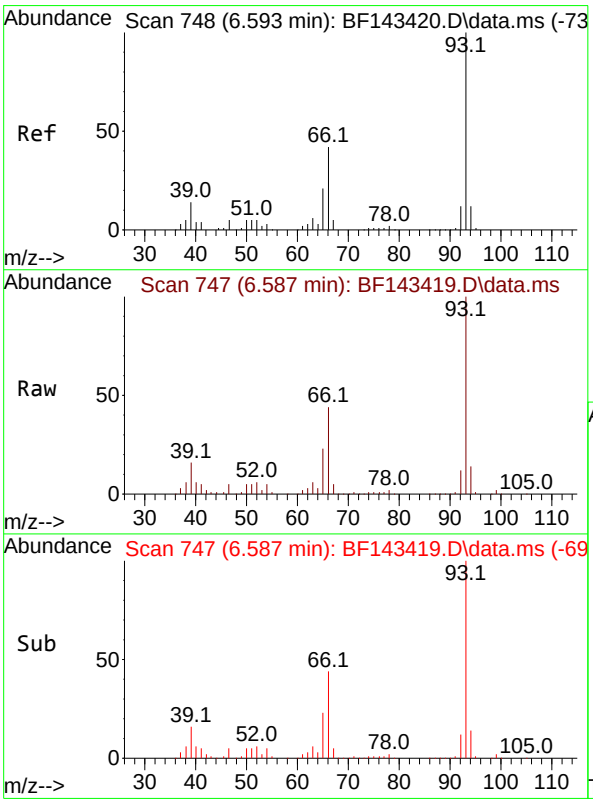
#5
2-Fluorophenol
Concen: 42.697 ng
RT: 5.557 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 322905

Ion	Ratio	Lower	Upper
112	100		
64	64.4	52.2	78.2
63	33.0	27.0	40.6

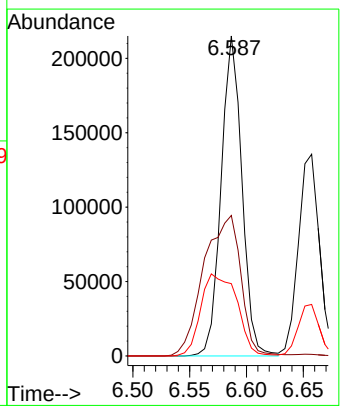


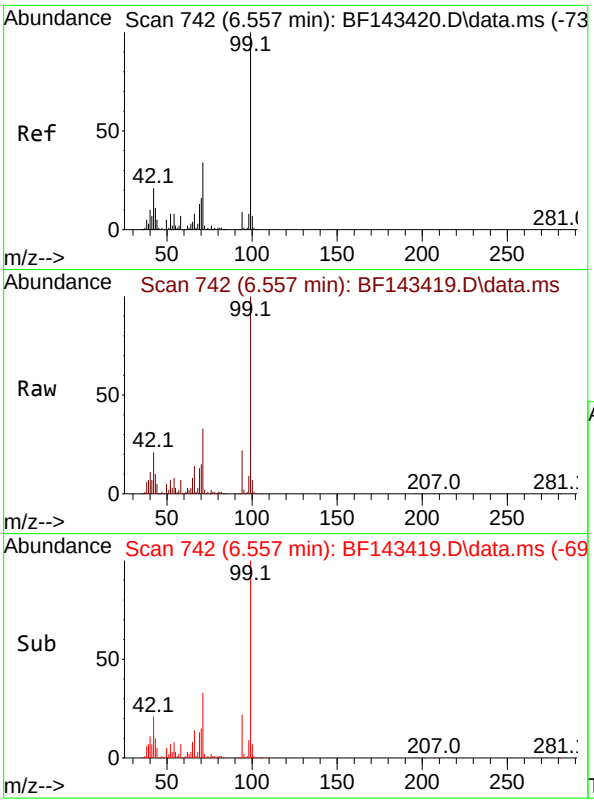


#6
Aniline
Concen: 21.194 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 93 Resp: 274228

Ion	Ratio	Lower	Upper
93	100		
66	43.9	33.8	50.8
65	22.6	17.2	25.8



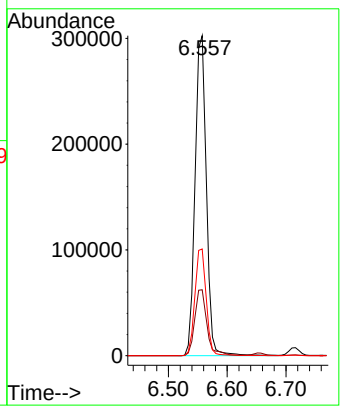


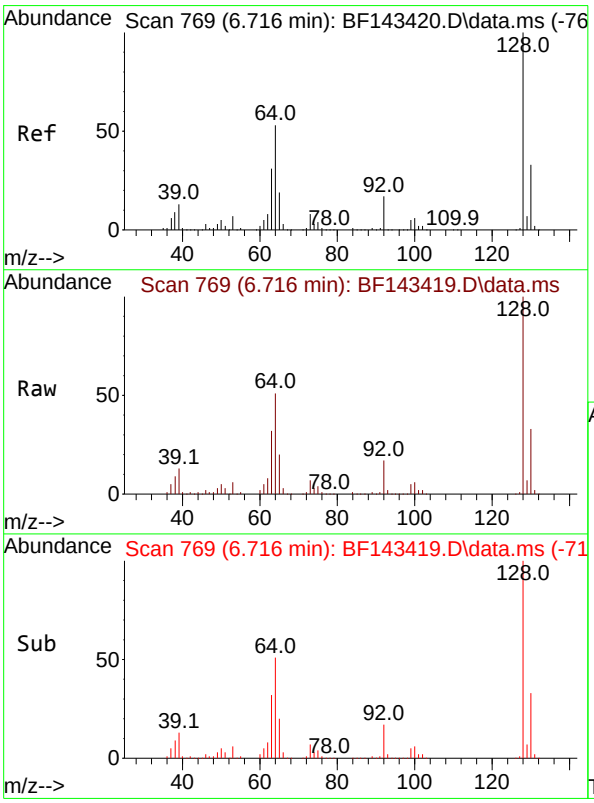
#7
Phenol-d6
Concen: 42.366 ng
RT: 6.557 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 403785

Ion	Ratio	Lower	Upper
99	100		
42	20.6	17.0	25.6
71	33.4	27.4	41.2

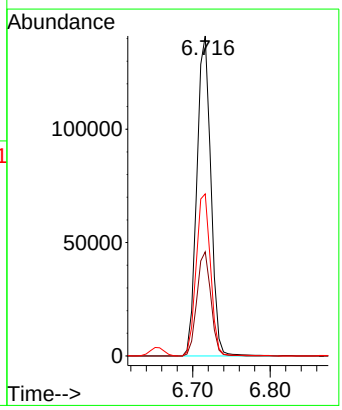


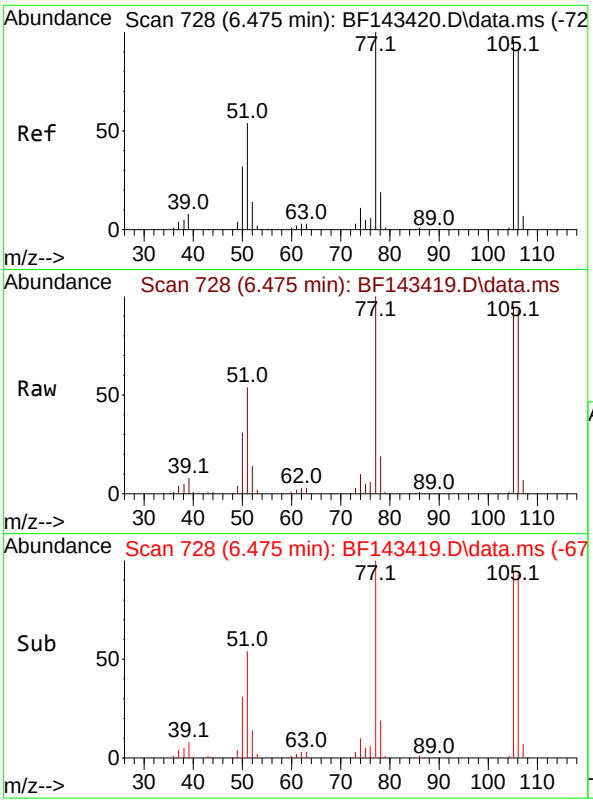


#8
2-Chlorophenol
Concen: 21.221 ng
RT: 6.716 min Scan# 769
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:128 Resp: 177182

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.9	52.9
64	50.6	33.1	73.1



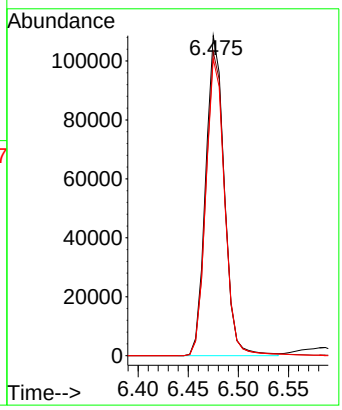


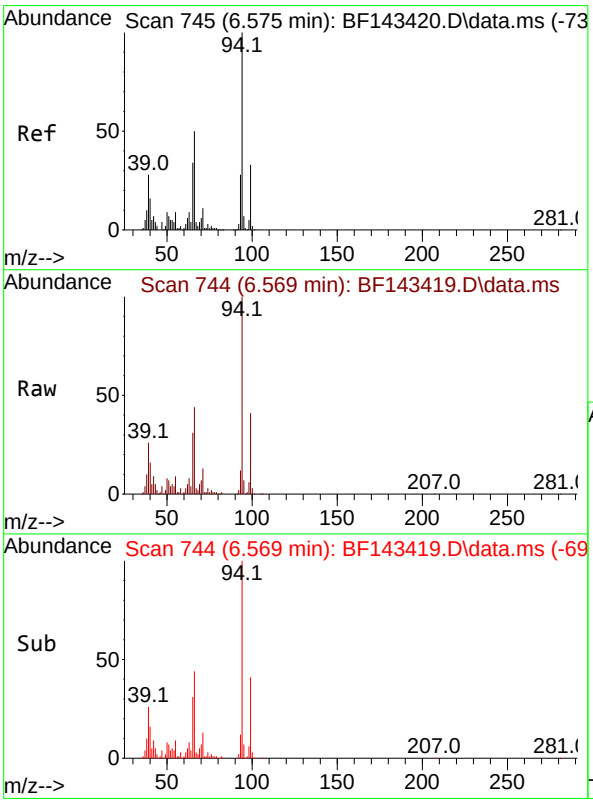
#9
Benzaldehyde
Concen: 27.706 ng
RT: 6.475 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 140473

Ion	Ratio	Lower	Upper
77	100		
105	94.9	75.5	115.5
106	92.8	72.0	112.0

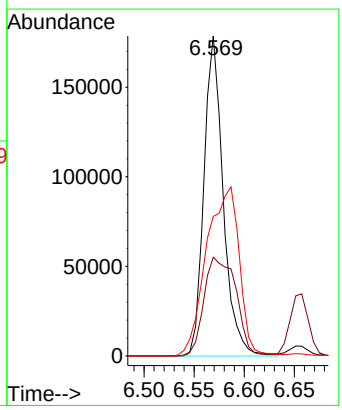


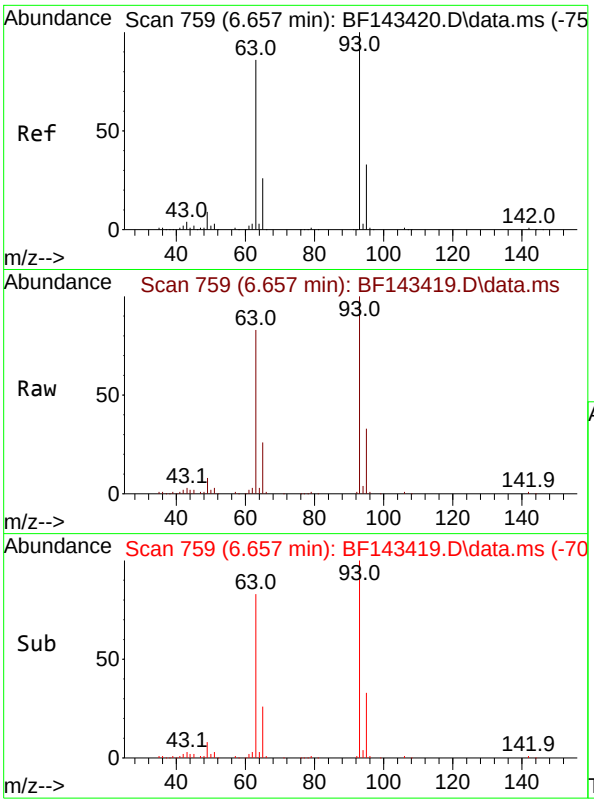


#10
Phenol
Concen: 21.530 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 94 Resp: 239446

Ion	Ratio	Lower	Upper
94	100		
65	30.9	13.7	53.7
66	43.6	30.3	70.3



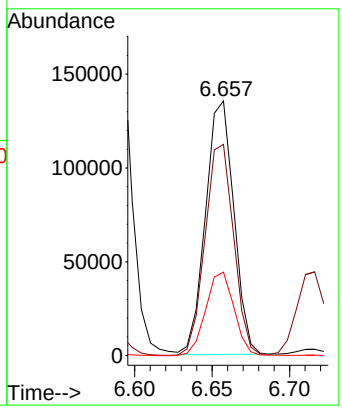


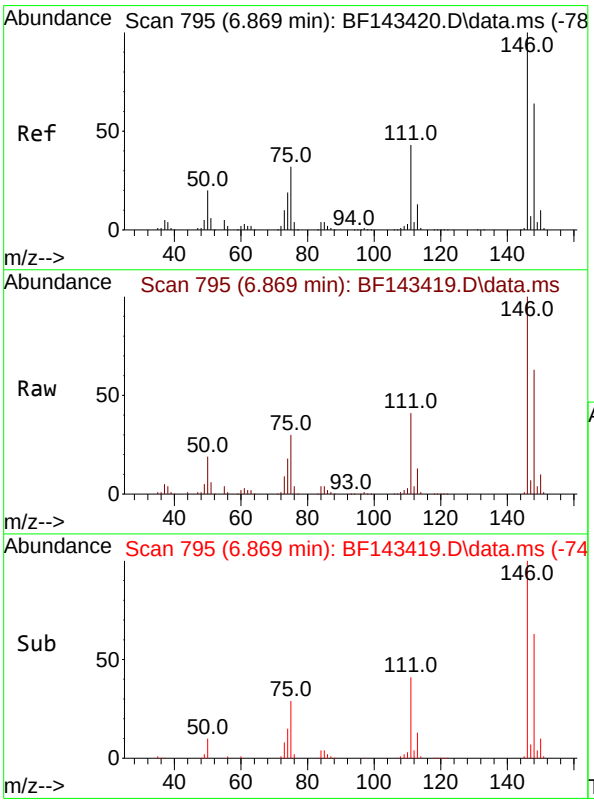
#11
bis(2-Chloroethyl)ether
Concen: 20.856 ng
RT: 6.657 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 171939

Ion	Ratio	Lower	Upper
93	100		
63	83.0	65.4	105.4
95	32.8	12.8	52.8

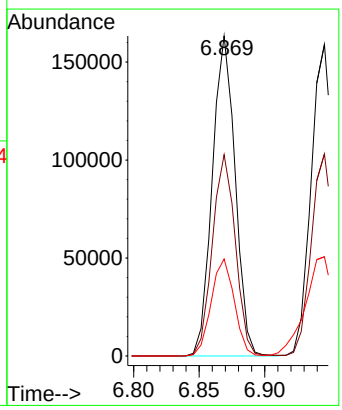


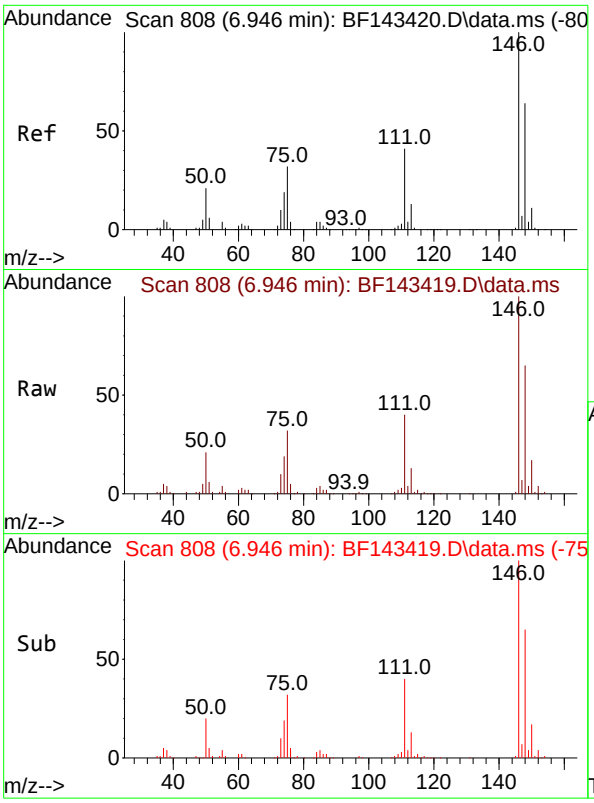


#12
1,3-Dichlorobenzene
Concen: 21.118 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:146 Resp: 197517

Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.0	76.4
75	30.3	25.3	37.9



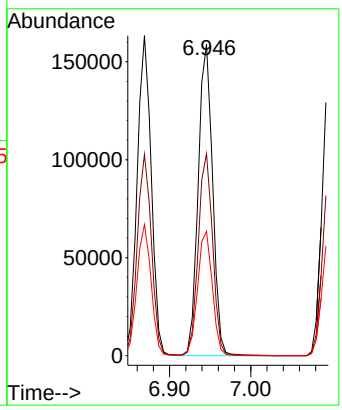


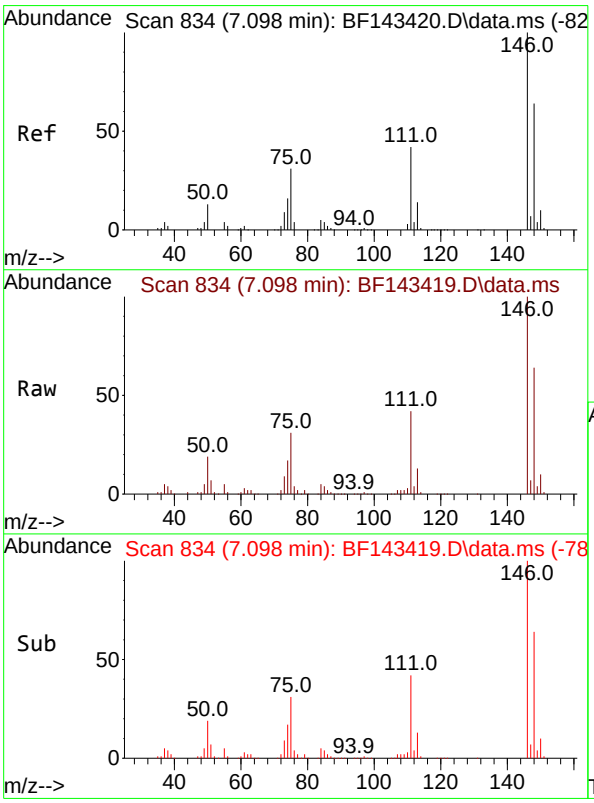
#13
1,4-Dichlorobenzene
Concen: 21.024 ng
RT: 6.946 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 196309

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.1	76.7
111	39.9	32.5	48.7

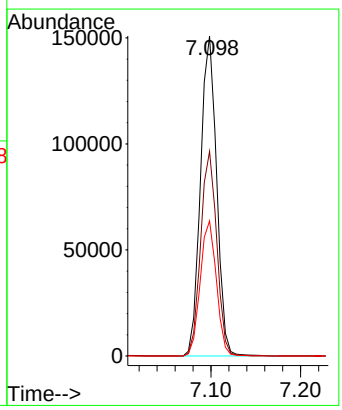


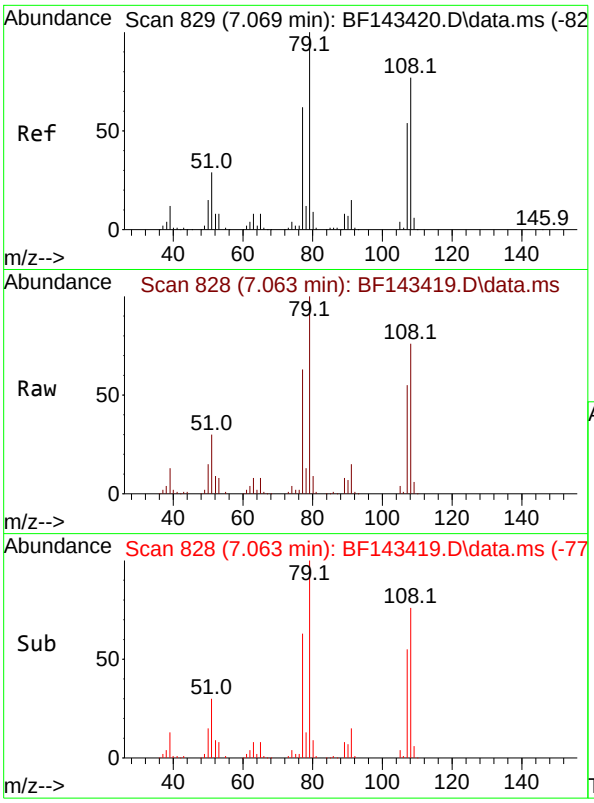


#14
1,2-Dichlorobenzene
Concen: 21.088 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:146 Resp: 188077

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.4	77.0
111	42.2	33.9	50.9



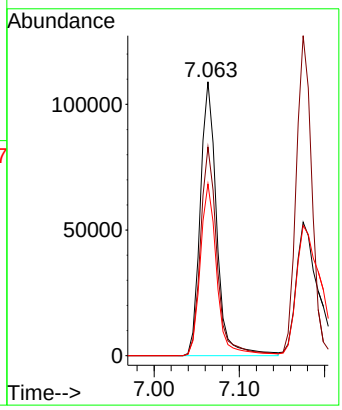


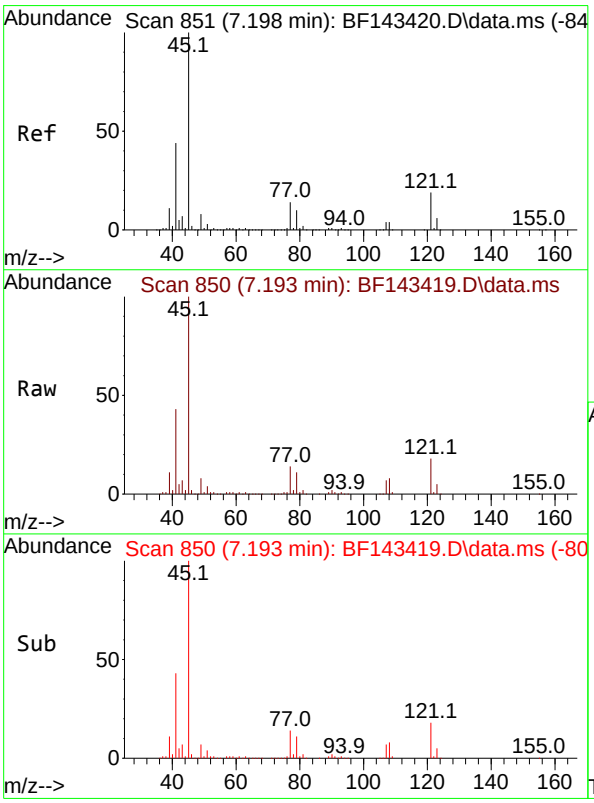
#15
Benzyl Alcohol
Concen: 20.755 ng
RT: 7.063 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 145881

Ion	Ratio	Lower	Upper
79	100		
108	76.2	61.9	92.9
77	62.7	49.2	73.8

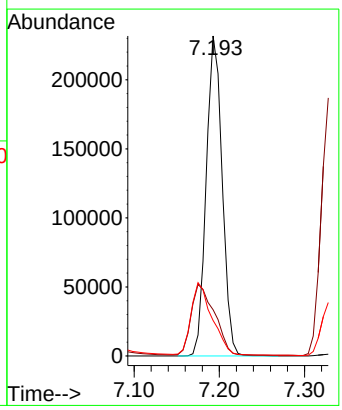


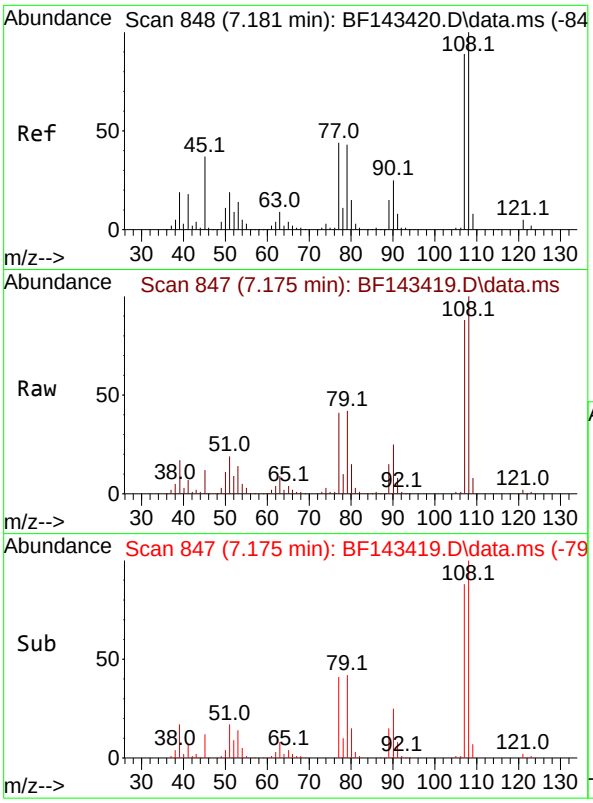


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.369 ng
RT: 7.193 min Scan# 850
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 45 Resp: 301172

Ion	Ratio	Lower	Upper
45	100		
77	14.5	0.0	33.9
79	11.1	0.0	30.7



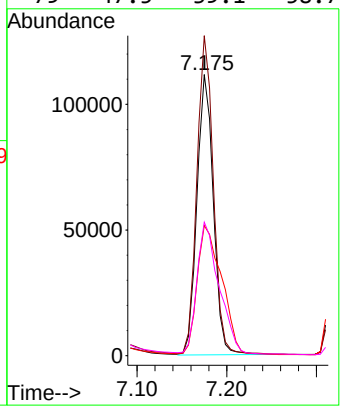


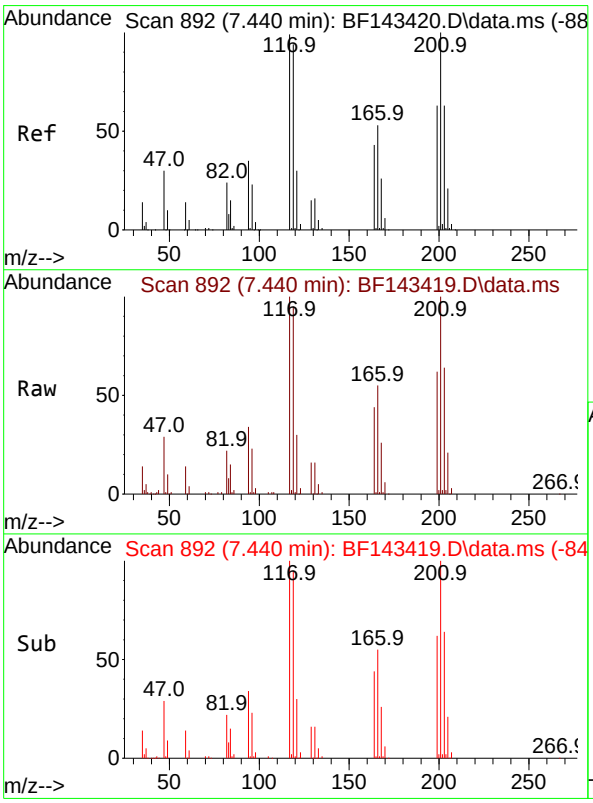
#17
2-Methylphenol
Concen: 20.838 ng
RT: 7.175 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 141953

Ion	Ratio	Lower	Upper
107	100		
108	113.8	90.1	135.1
77	46.2	39.9	59.9
79	47.5	39.1	58.7

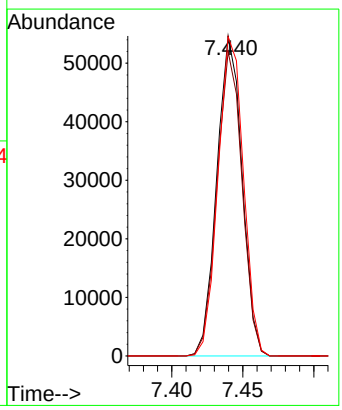


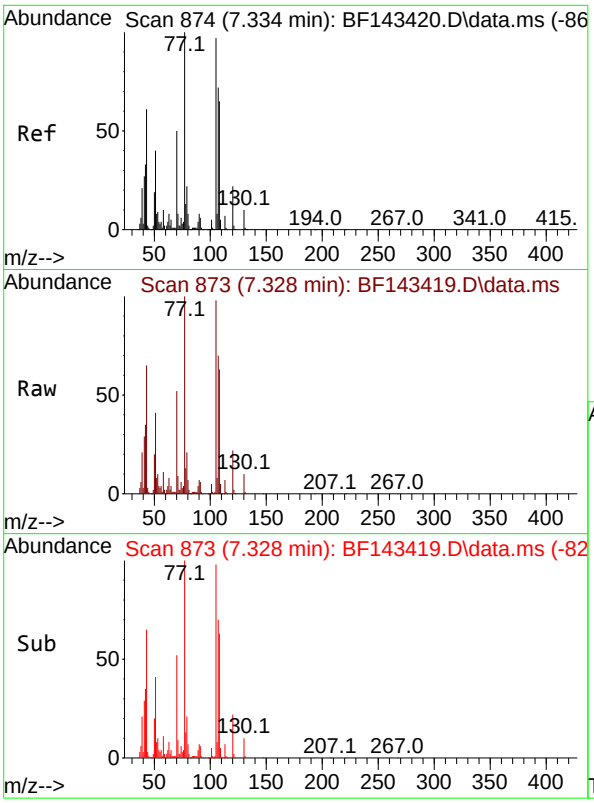


#18
Hexachloroethane
Concen: 21.238 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:117 Resp: 67502

Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.6	114.8
201	99.8	81.0	121.4



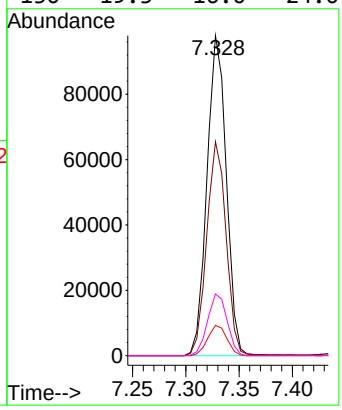


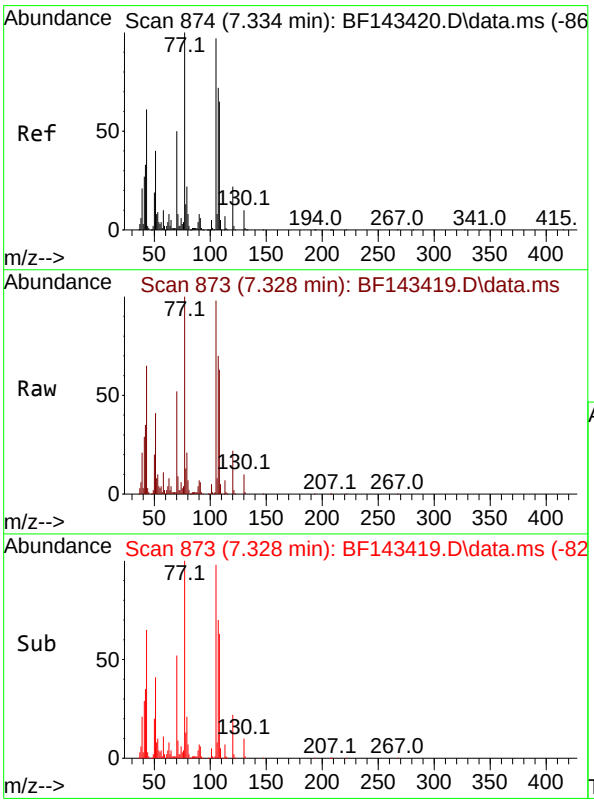
#19
n-Nitroso-di-n-propylamine
Concen: 20.987 ng
RT: 7.328 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 123829

Ion	Ratio	Lower	Upper
70	100		
42	66.9	52.5	78.7
101	9.5	7.9	11.9
130	19.3	16.0	24.0

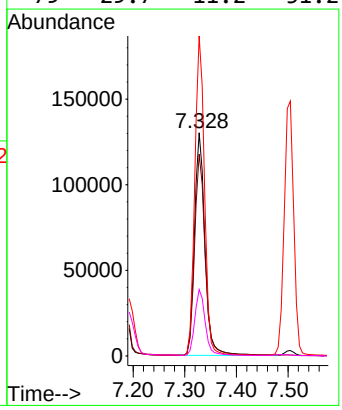


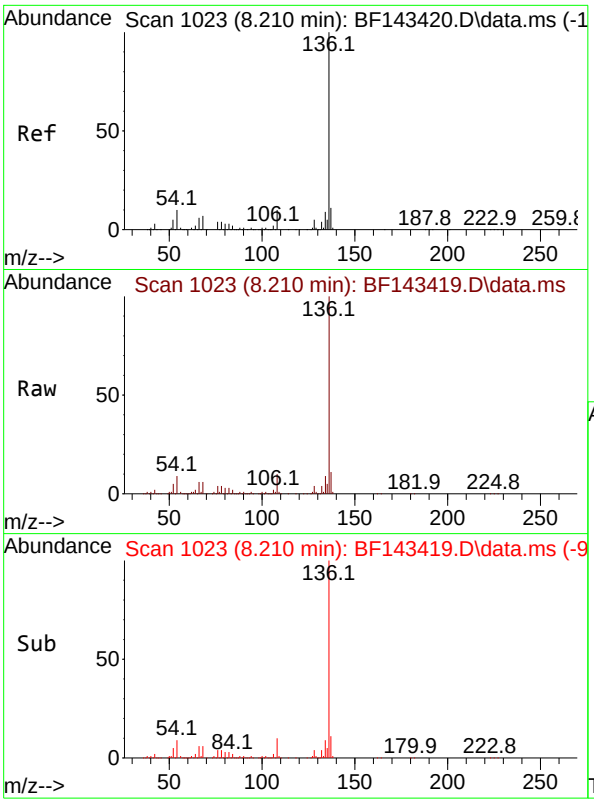


#20
3+4-Methylphenols
Concen: 22.454 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:107 Resp: 182897

Ion	Ratio	Lower	Upper
107	100		
108	90.4	70.8	110.8
77	143.3	119.1	159.1
79	29.7	11.2	51.2



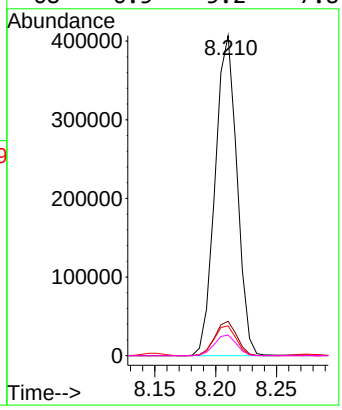


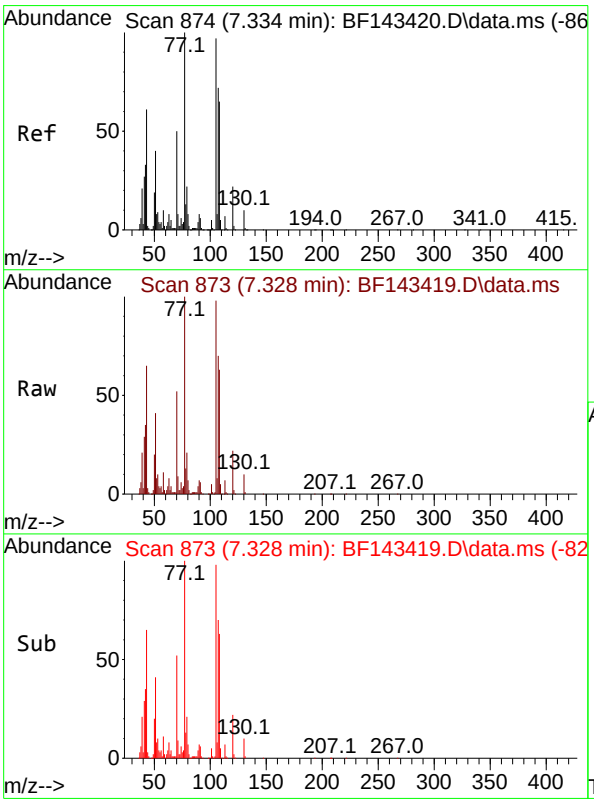
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 508953

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	9.3	7.8	11.8
68	6.5	5.2	7.8

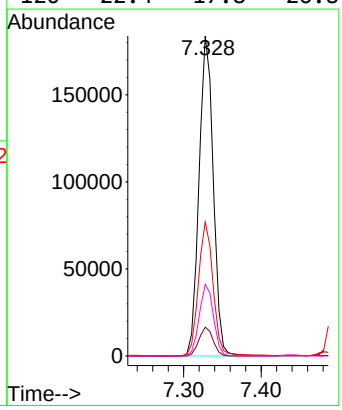


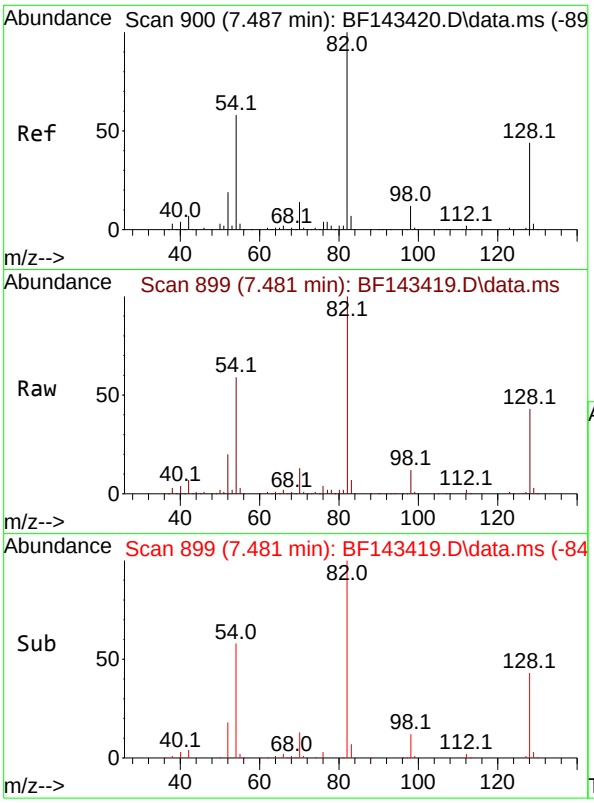


#22
Acetophenone
Concen: 21.468 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:105 Resp: 234922

Ion	Ratio	Lower	Upper
105	100		
71	9.0	7.0	10.4
51	41.9	32.7	49.1
120	22.4	17.8	26.8



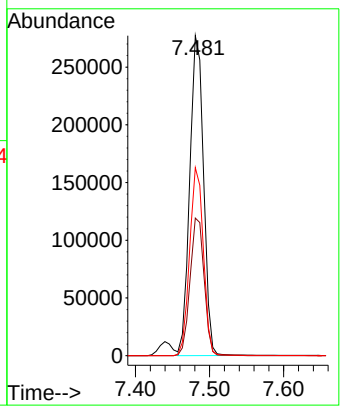


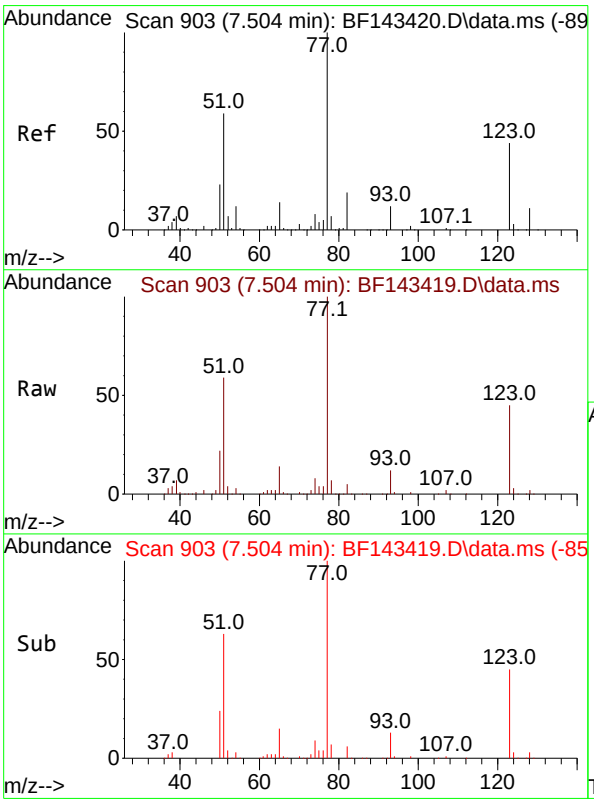
#23
Nitrobenzene-d5
Concen: 41.772 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 358277

Ion	Ratio	Lower	Upper
82	100		
128	43.0	34.6	52.0
54	58.7	46.0	69.0

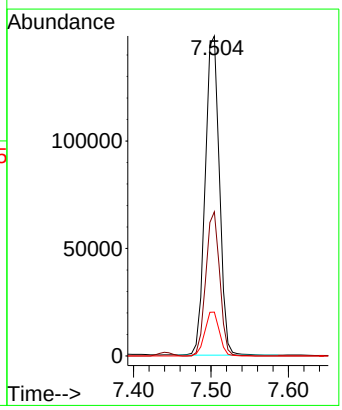


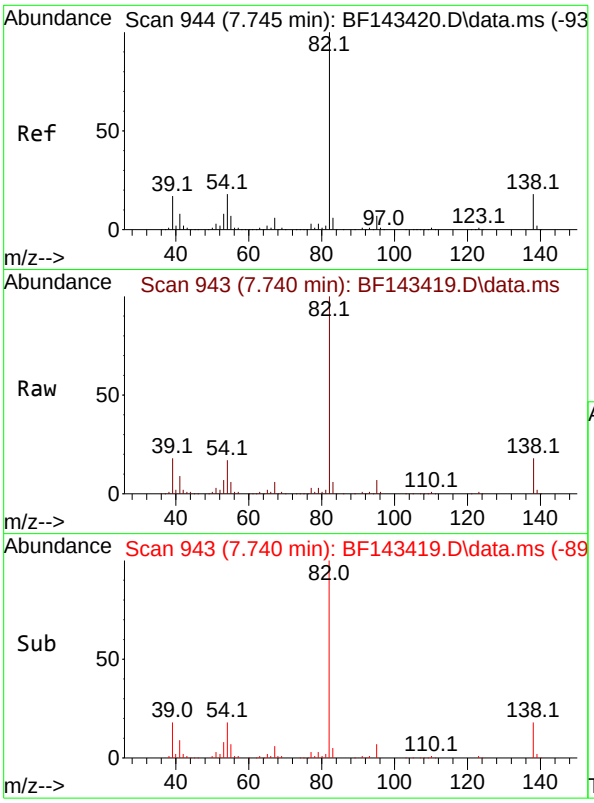


#24
Nitrobenzene
Concen: 21.143 ng
RT: 7.504 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 77 Resp: 189535

Ion	Ratio	Lower	Upper
77	100		
123	45.1	35.4	53.0
65	13.7	11.2	16.8



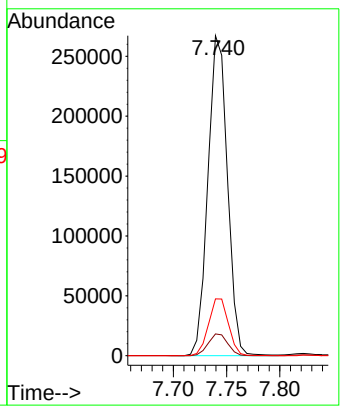


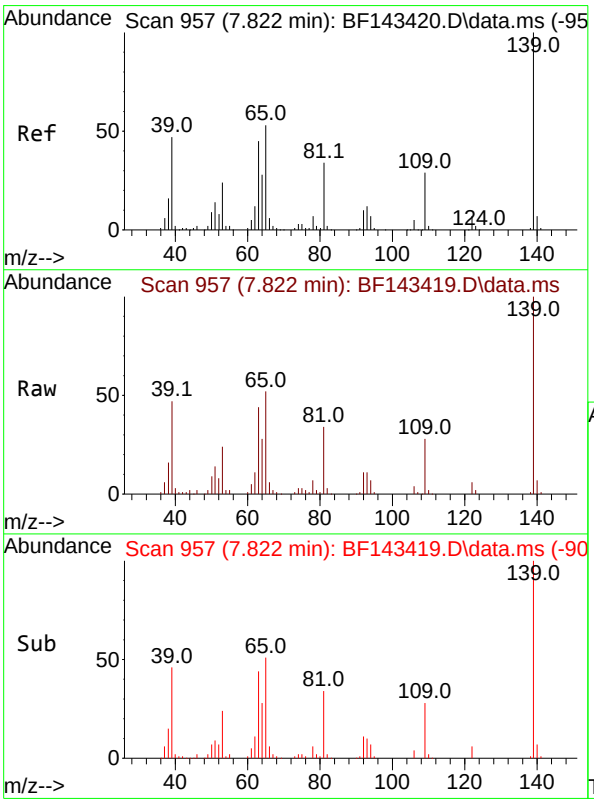
#25
Isophorone
Concen: 20.794 ng
RT: 7.740 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 341350

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.6	8.4
138	17.8	14.3	21.5

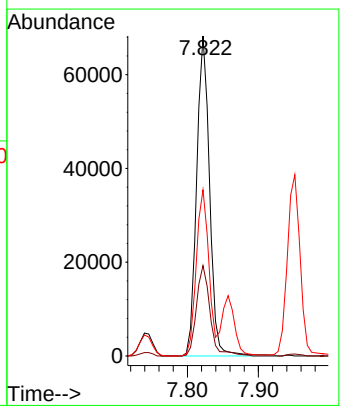


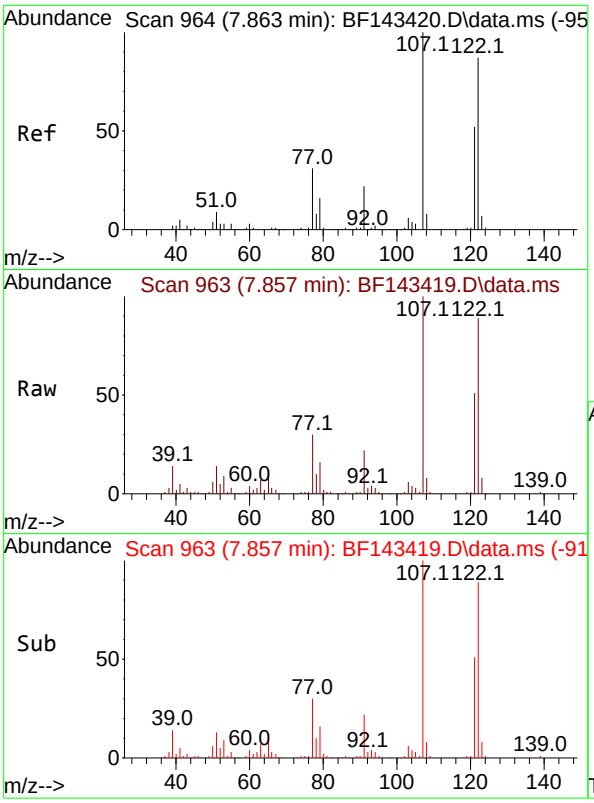


#26
2-Nitrophenol
Concen: 20.862 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:139 Resp: 86694

Ion	Ratio	Lower	Upper
139	100		
109	28.2	23.0	34.4
65	51.9	42.5	63.7



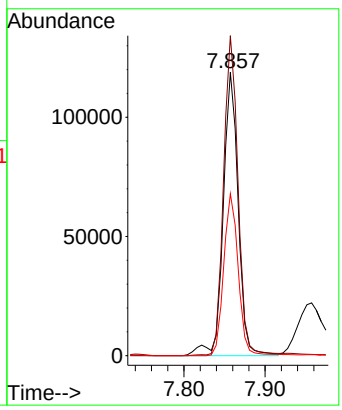


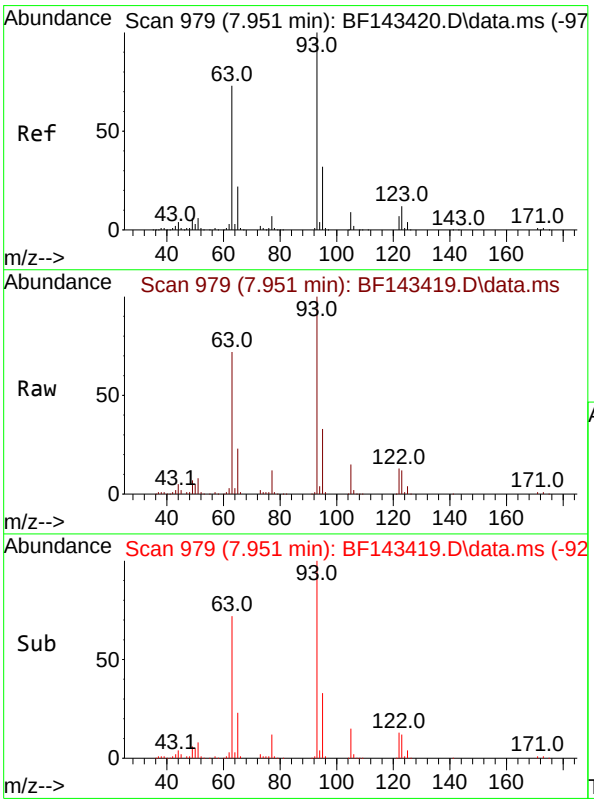
#27
2,4-Dimethylphenol
Concen: 21.796 ng
RT: 7.857 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 153145

Ion	Ratio	Lower	Upper
122	100		
107	112.9	90.4	135.6
121	57.2	46.7	70.1

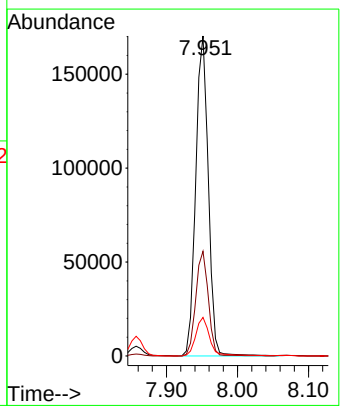


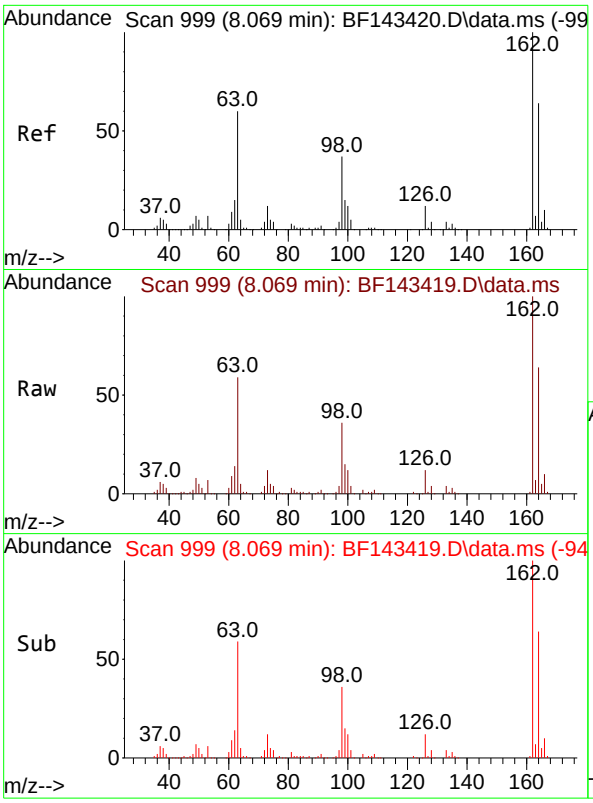


#28
bis(2-Chloroethoxy)methane
Concen: 20.840 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 93 Resp: 210282

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.0	39.0
123	12.1	9.5	14.3



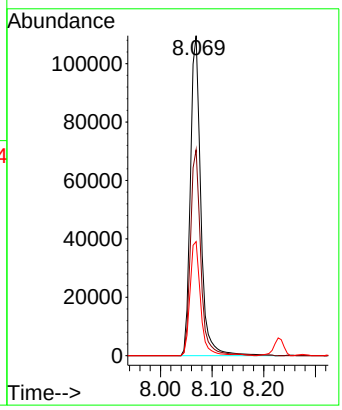


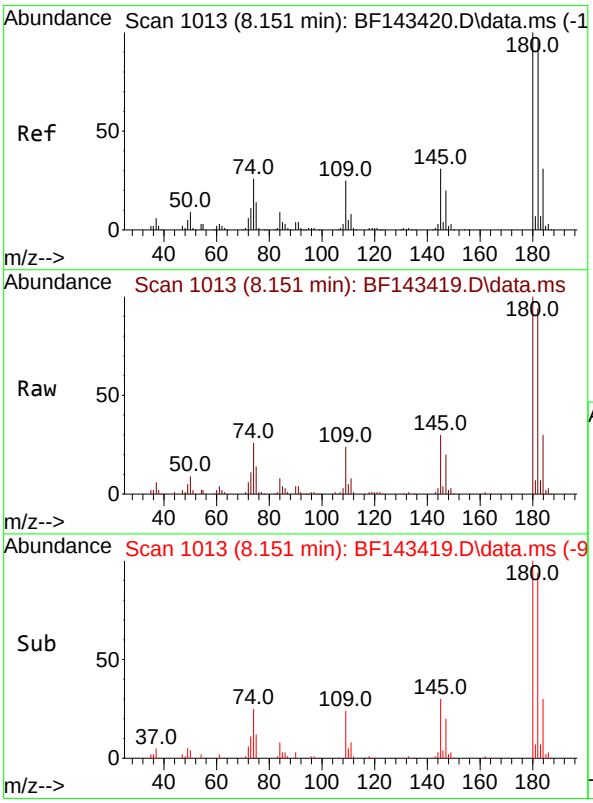
#29
2,4-Dichlorophenol
Concen: 21.374 ng
RT: 8.069 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 153094

Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.3	84.3
98	35.7	16.9	56.9

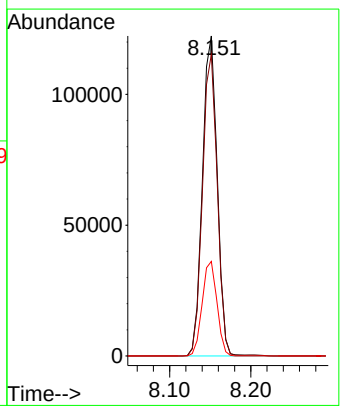


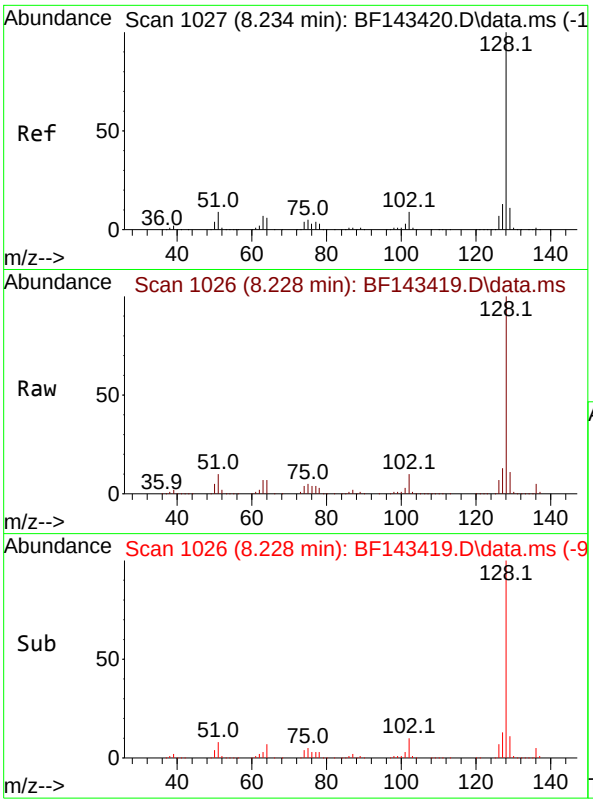


#30
1,2,4-Trichlorobenzene
Concen: 21.058 ng
RT: 8.151 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:180 Resp: 154544

Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.7	115.1
145	29.5	24.5	36.7



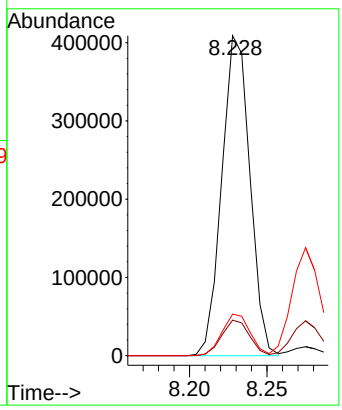


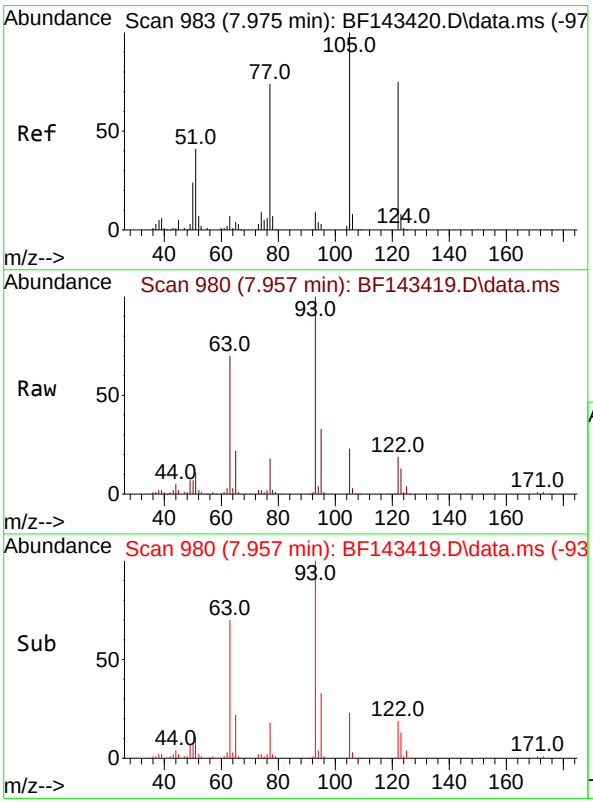
#31
Naphthalene
Concen: 21.346 ng
RT: 8.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 515775

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.0	10.6	16.0

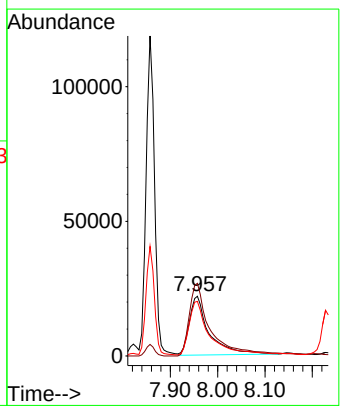


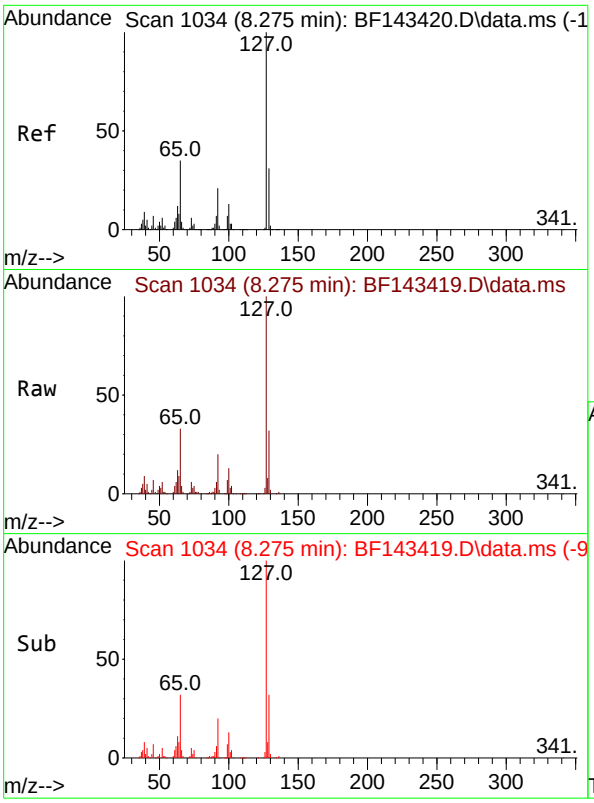


#32
Benzoic acid
Concen: 17.496 ng
RT: 7.957 min Scan# 980
Delta R.T. -0.018 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:122 Resp: 63632

Ion	Ratio	Lower	Upper
122	100		
105	121.7	108.4	148.4
77	91.3	75.9	115.9



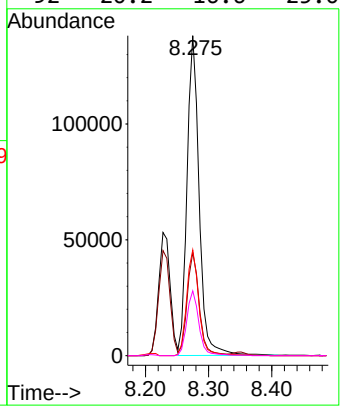


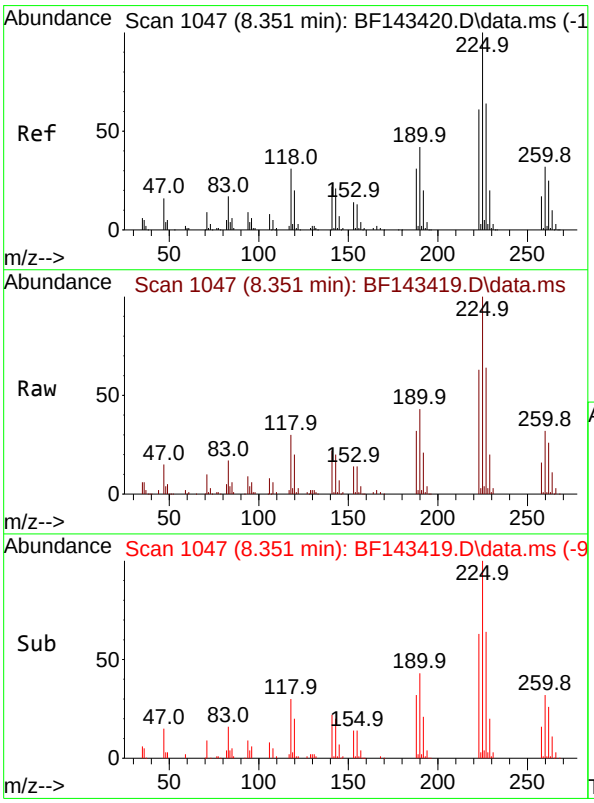
#33
4-Chloroaniline
Concen: 21.143 ng
RT: 8.275 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 184406

Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.8	38.8
65	33.1	27.2	40.8
92	20.2	16.6	25.0

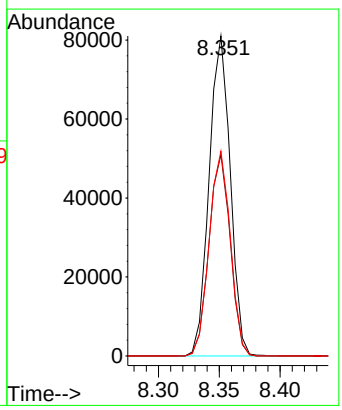


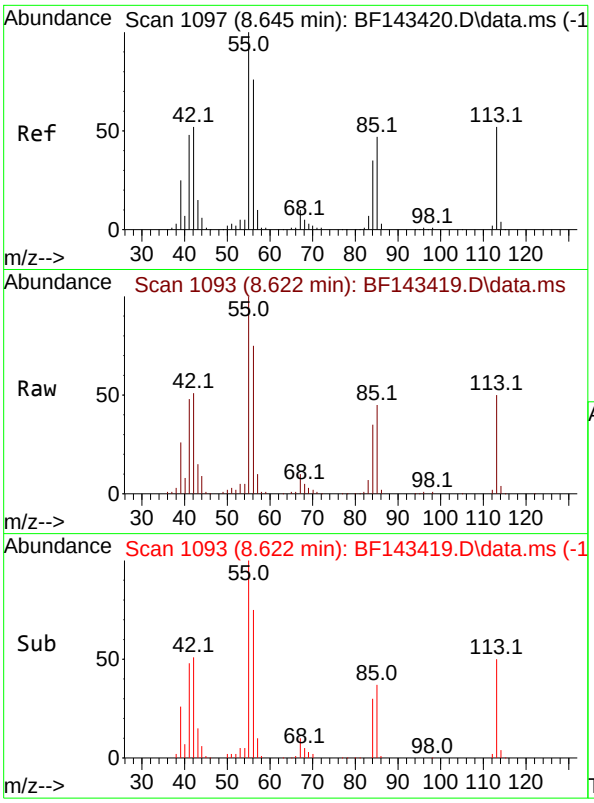


#34
Hexachlorobutadiene
Concen: 20.903 ng
RT: 8.351 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:225 Resp: 97824

Ion	Ratio	Lower	Upper
225	100		
223	62.8	49.0	73.6
227	64.0	51.1	76.7



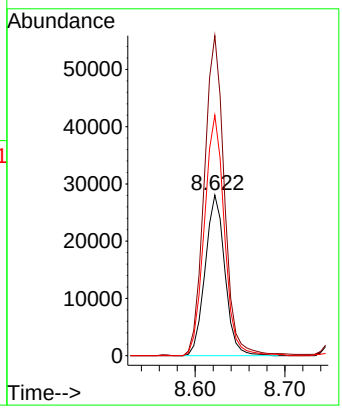


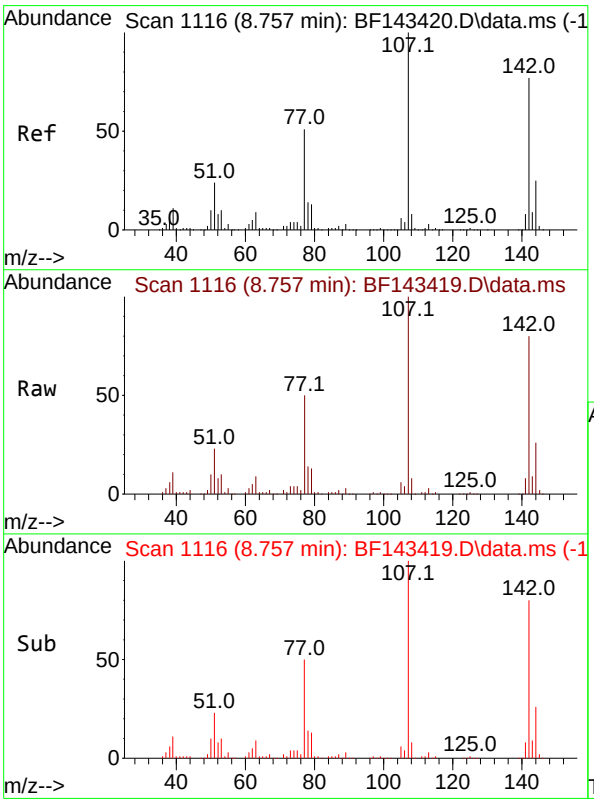
#35
Caprolactam
Concen: 20.770 ng
RT: 8.622 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 42831

Ion	Ratio	Lower	Upper
113	100		
55	199.3	174.7	214.7
56	149.7	127.0	167.0

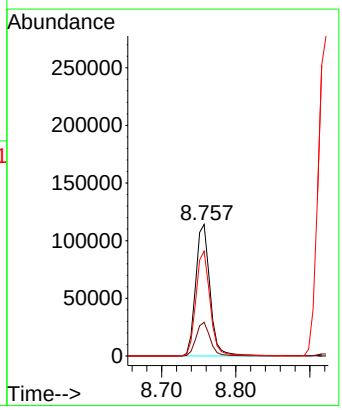


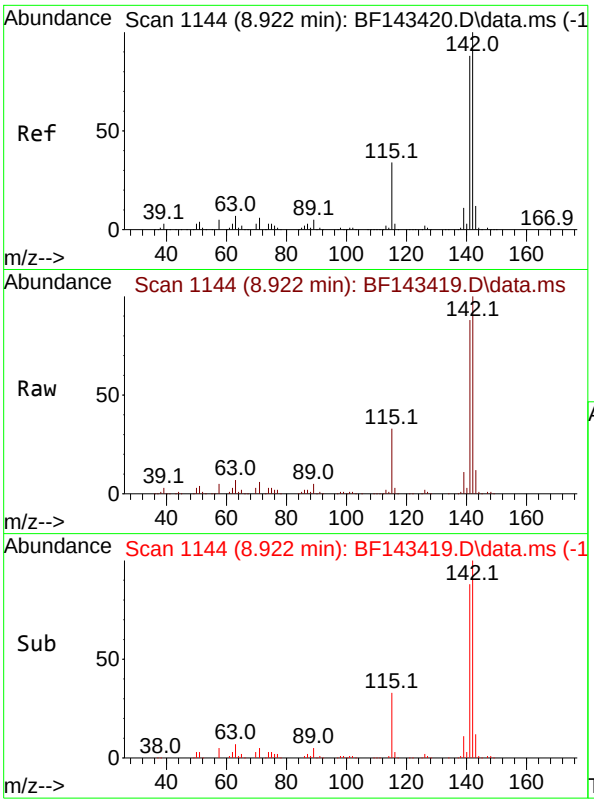


#36
4-Chloro-3-methylphenol
Concen: 20.795 ng
RT: 8.757 min Scan# 1116
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:107 Resp: 153403

Ion	Ratio	Lower	Upper
107	100		
144	25.5	20.2	30.2
142	79.7	62.0	93.0



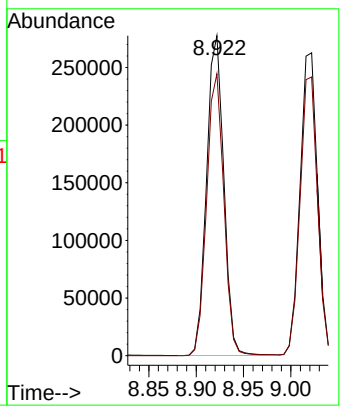


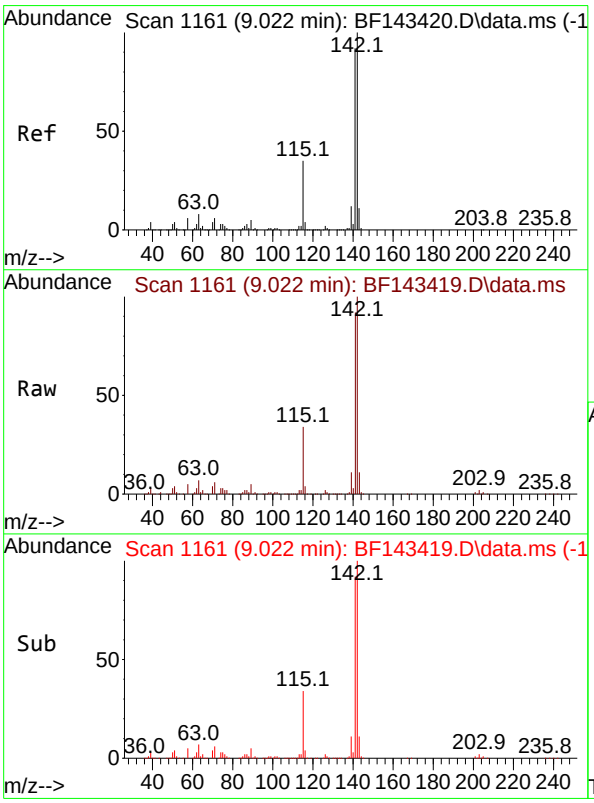
#37
2-Methylnaphthalene
Concen: 21.475 ng
RT: 8.922 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 349766

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.3	105.5

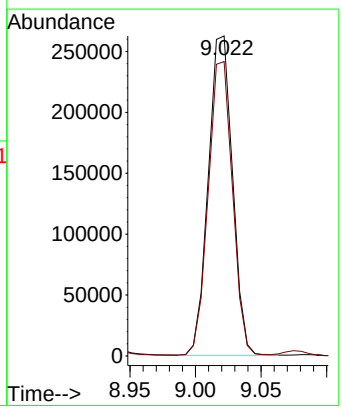


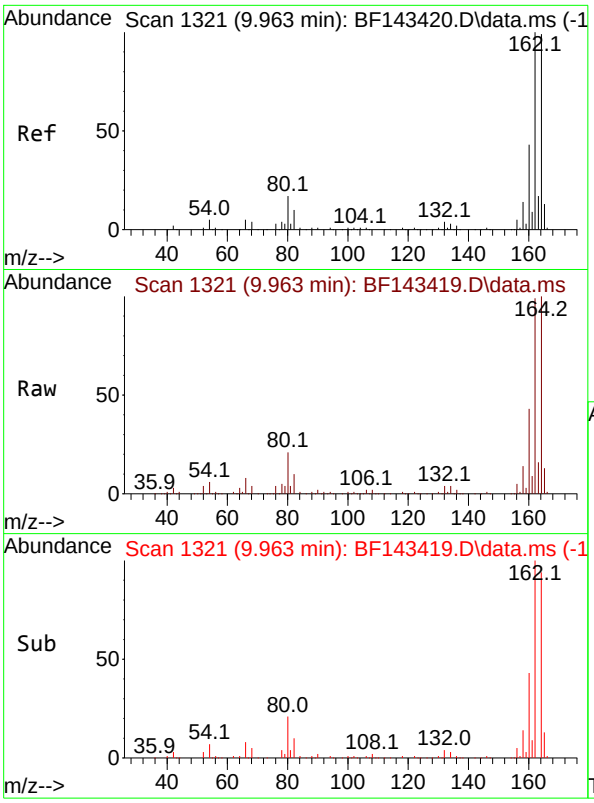


#38
1-Methylnaphthalene
Concen: 21.600 ng
RT: 9.022 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:142 Resp: 337056

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.8	110.6



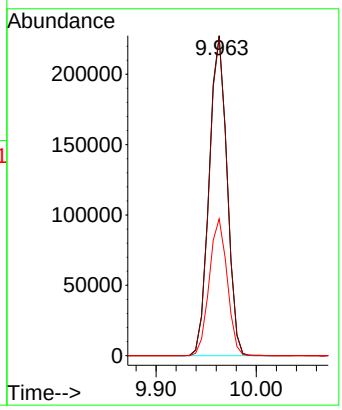


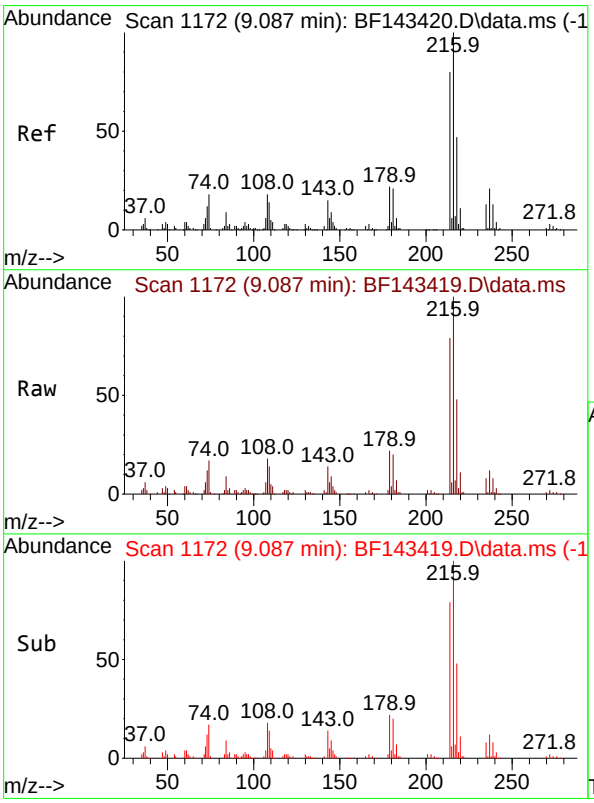
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 281751

Ion	Ratio	Lower	Upper
164	100		
162	99.2	80.6	121.0
160	42.8	34.6	51.8

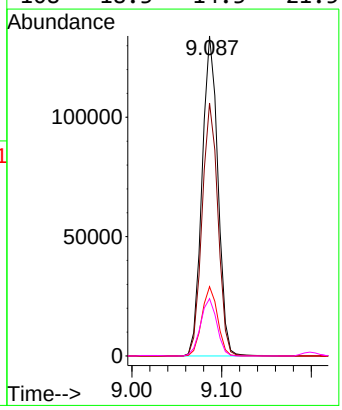


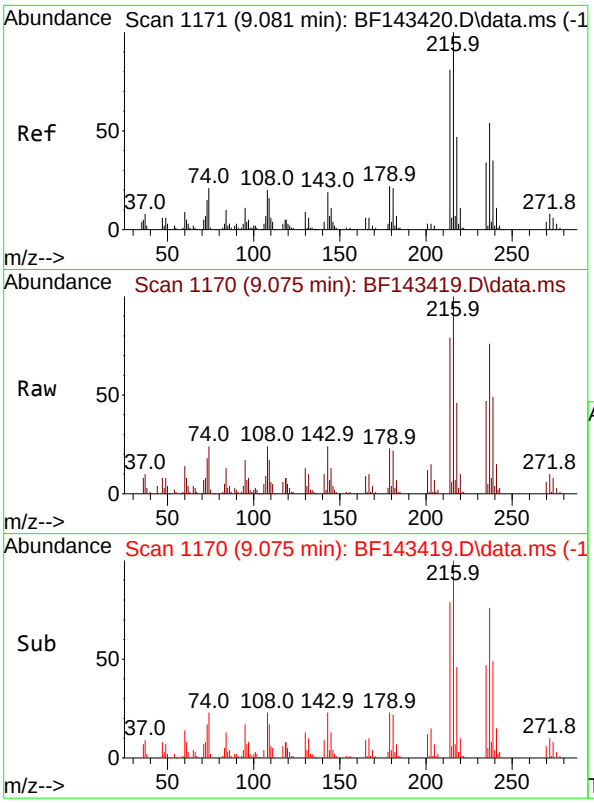


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.965 ng
RT: 9.087 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:216 Resp: 164739

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.7	95.5
179	21.4	17.0	25.4
108	18.3	14.3	21.5



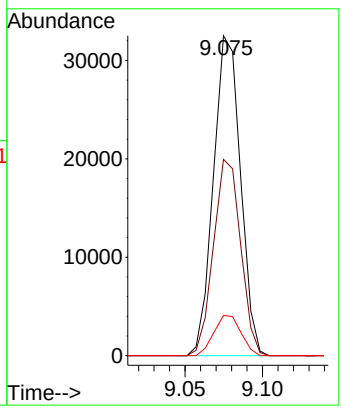


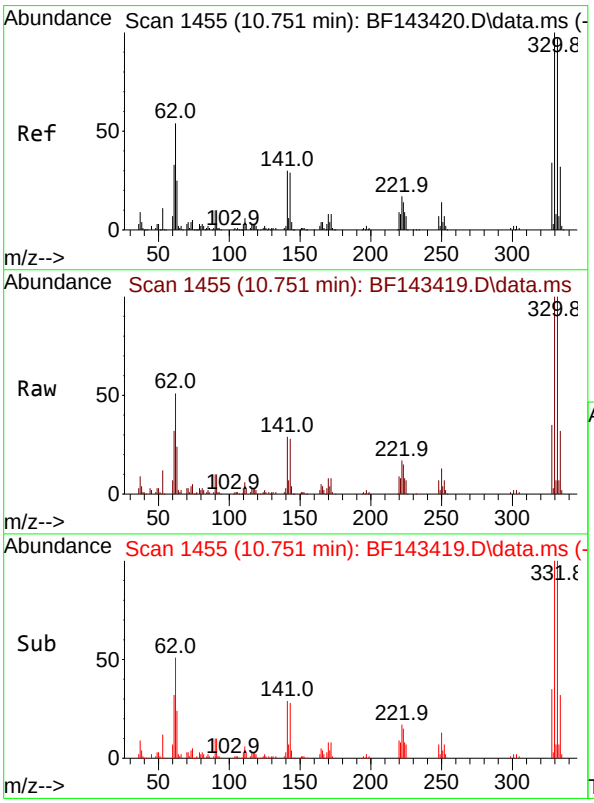
#41
Hexachlorocyclopentadiene
Concen: 19.242 ng
RT: 9.075 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 39498

Ion	Ratio	Lower	Upper
237	100		
235	61.4	41.6	81.6
272	12.6	0.0	33.8

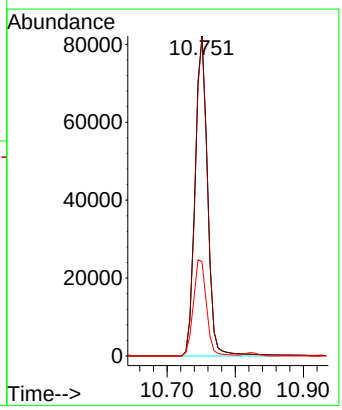


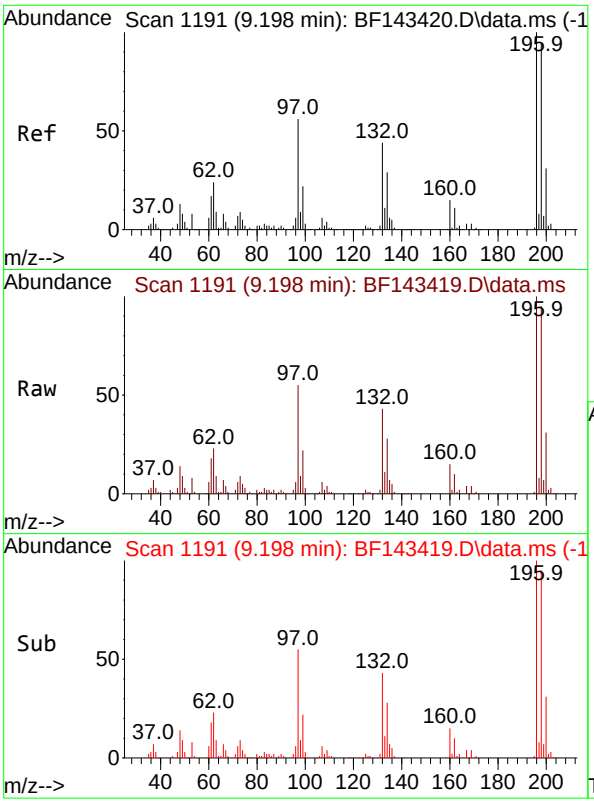


#42
2,4,6-Tribromophenol
Concen: 41.705 ng
RT: 10.751 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:330 Resp: 104587

Ion	Ratio	Lower	Upper
330	100		
332	99.1	77.4	116.2
141	31.3	24.1	36.1



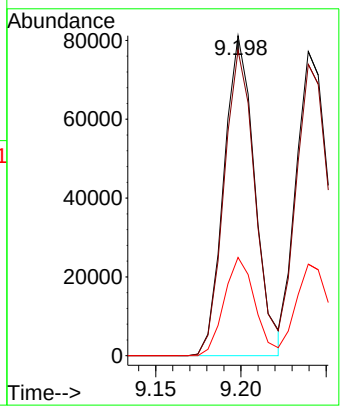


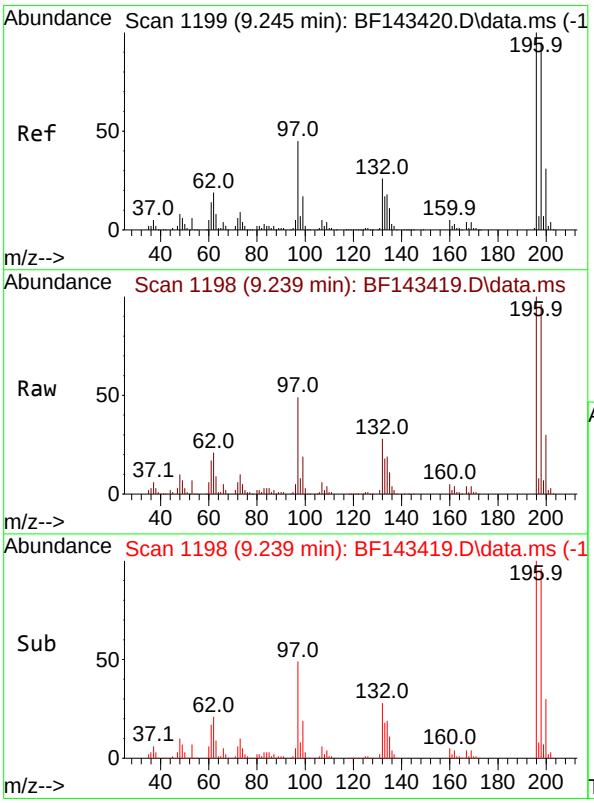
#43
2,4,6-Trichlorophenol
Concen: 20.860 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 102250

Ion	Ratio	Lower	Upper
196	100		
198	95.4	75.4	113.2
200	30.7	24.7	37.1

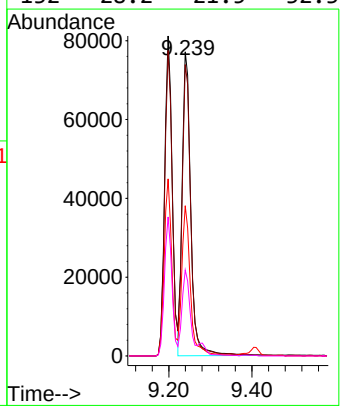


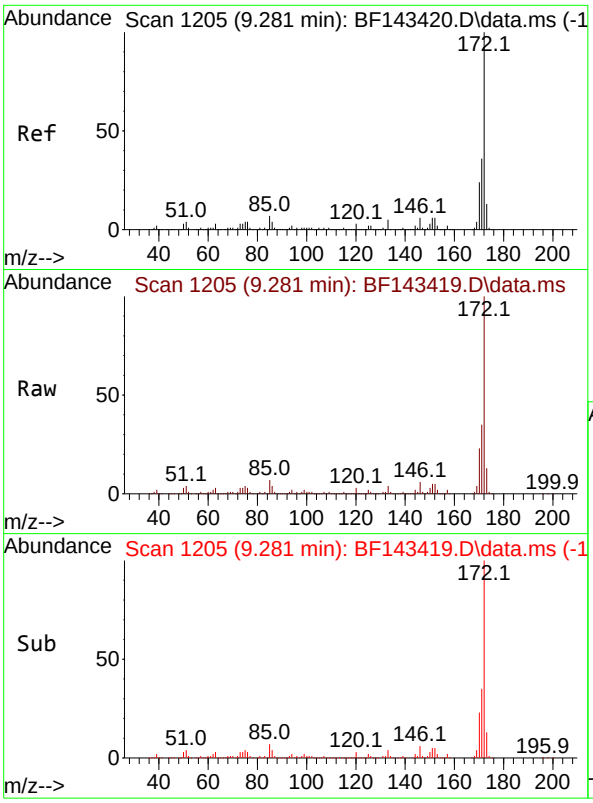


#44
2,4,5-Trichlorophenol
Concen: 21.177 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:196 Resp: 111266

Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.2	114.4
97	49.4	36.6	55.0
132	28.2	21.5	32.3



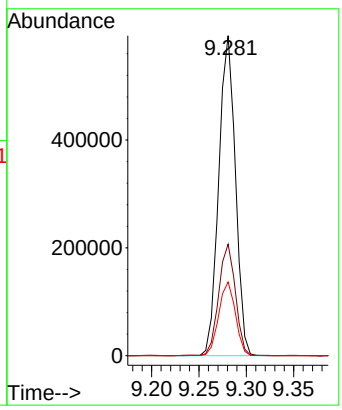


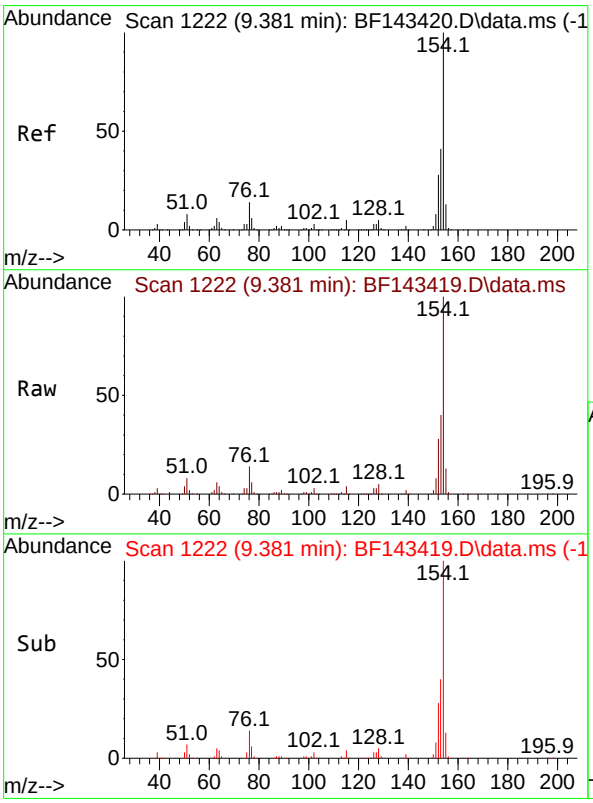
#45
2-Fluorobiphenyl
Concen: 43.433 ng
RT: 9.281 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 727542

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.7	43.1
170	23.1	19.0	28.6

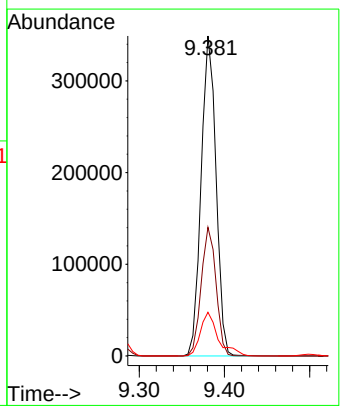


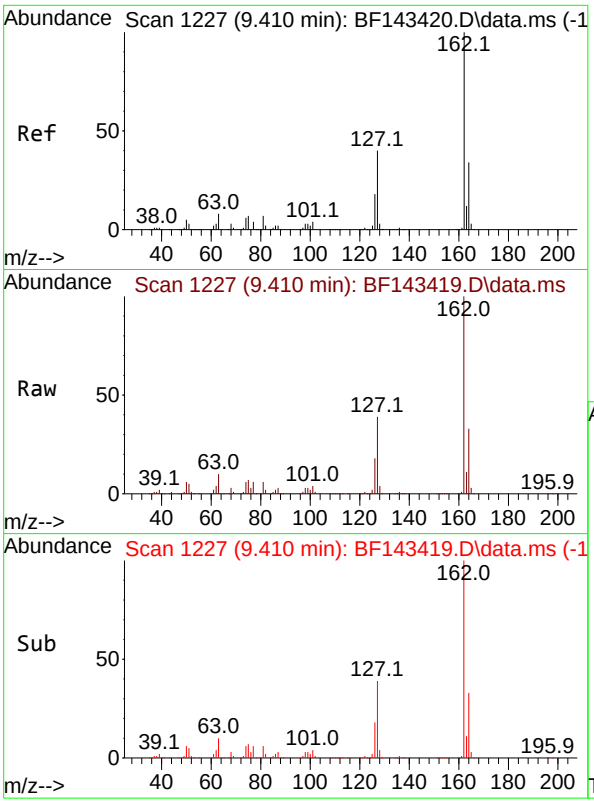


#46
1,1'-Biphenyl
Concen: 21.382 ng
RT: 9.381 min Scan# 1222
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:154 Resp: 423276

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.6	60.6
76	13.7	0.0	33.8



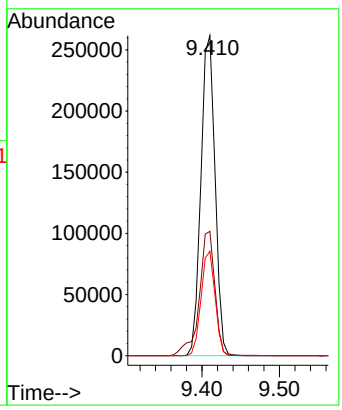


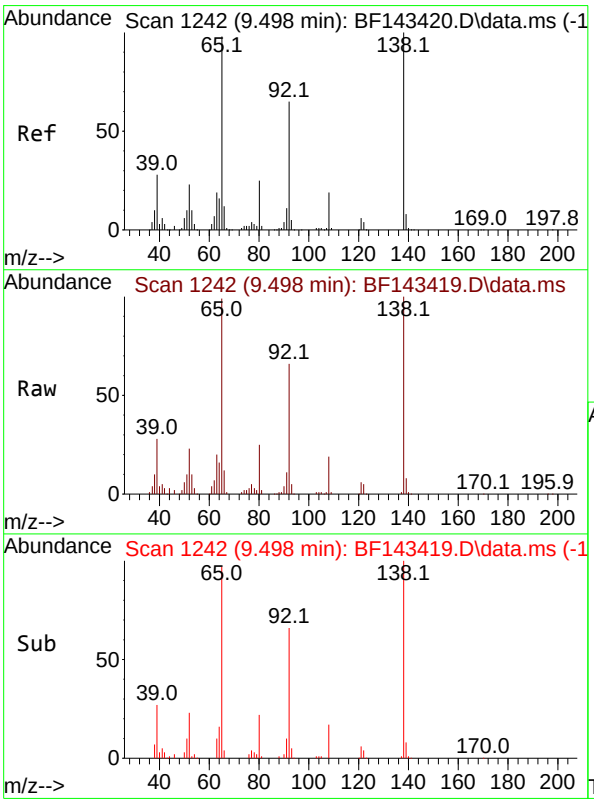
#47
2-Chloronaphthalene
Concen: 21.249 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 332051

Ion	Ratio	Lower	Upper
162	100		
127	38.9	32.3	48.5
164	32.6	26.9	40.3

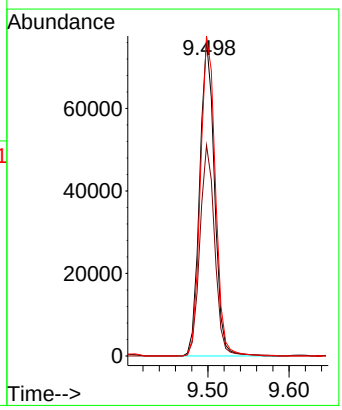


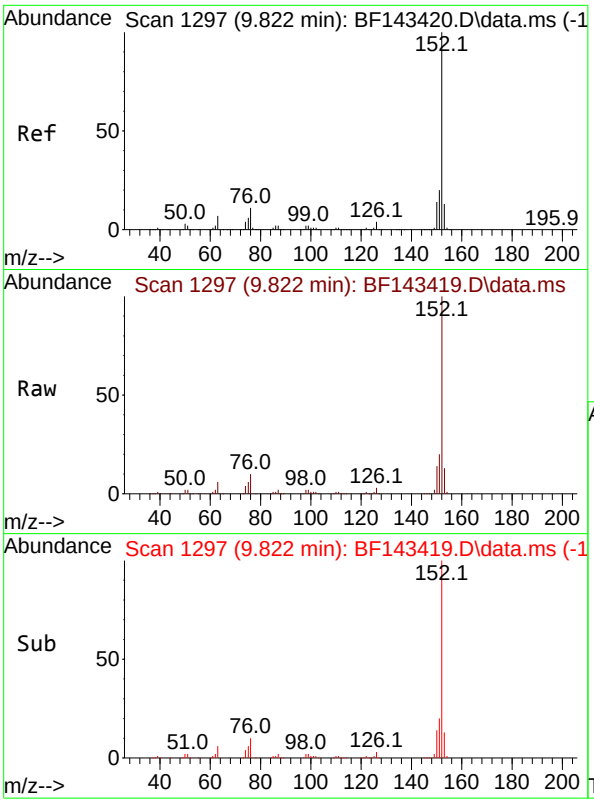


#48
2-Nitroaniline
Concen: 20.759 ng
RT: 9.498 min Scan# 1242
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 65 Resp: 96534

Ion	Ratio	Lower	Upper
65	100		
92	66.8	52.9	79.3
138	101.3	81.3	121.9



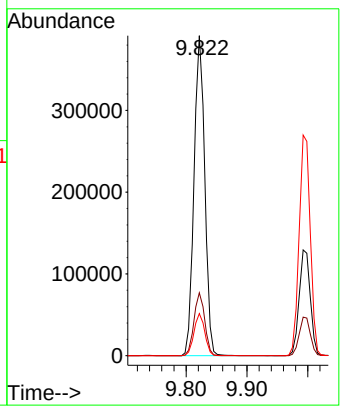


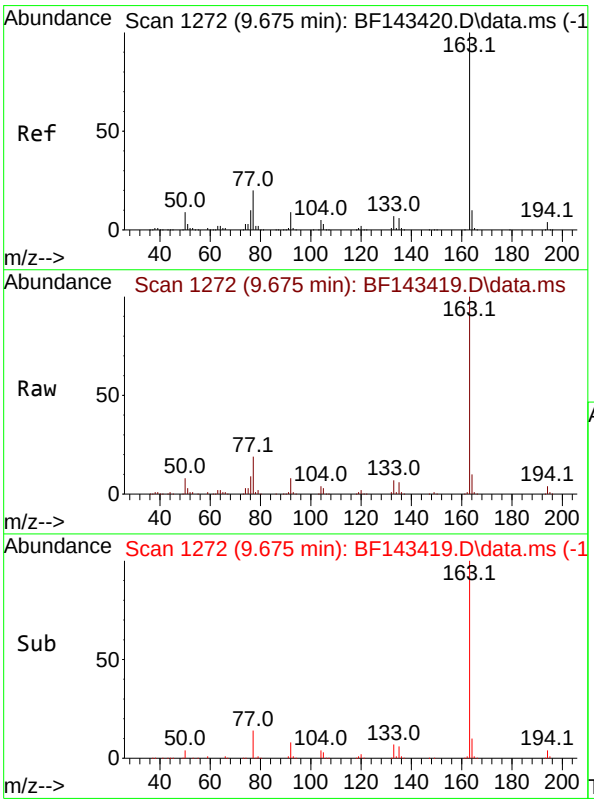
#49
Acenaphthylene
Concen: 21.288 ng
RT: 9.822 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 480293

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.0	24.0
153	13.2	10.8	16.2

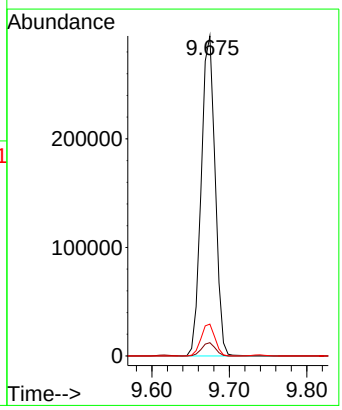


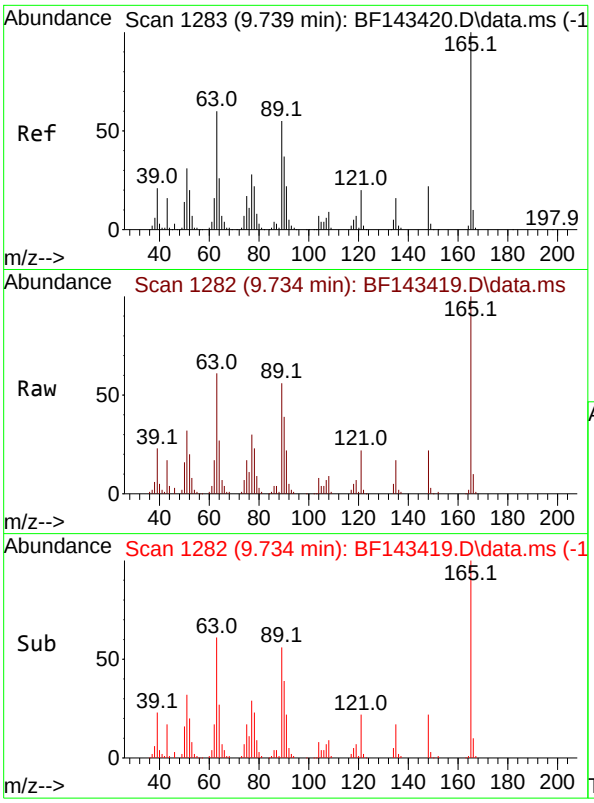


#50
Dimethylphthalate
Concen: 20.928 ng
RT: 9.675 min Scan# 1272
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:163 Resp: 367621

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	9.9	8.2	12.4



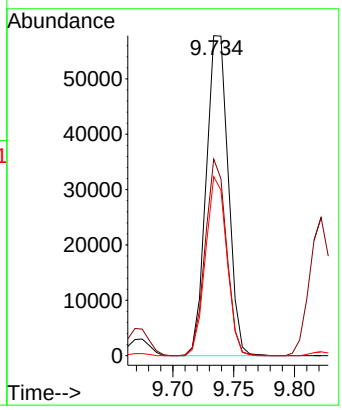


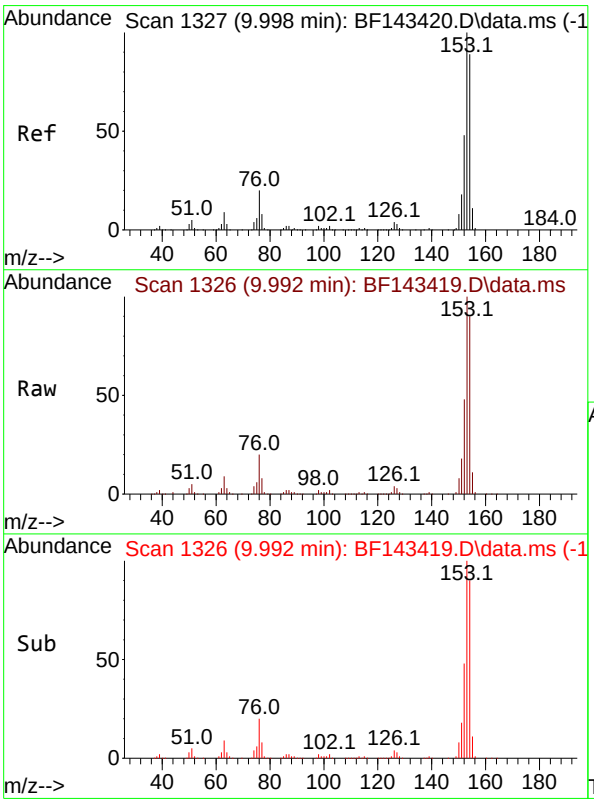
#51
2,6-Dinitrotoluene
Concen: 21.003 ng
RT: 9.734 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 72730

Ion	Ratio	Lower	Upper
165	100		
63	61.5	48.2	72.2
89	56.0	44.2	66.2

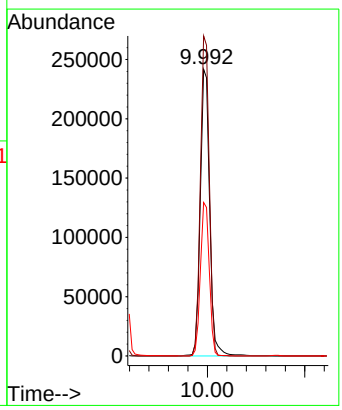


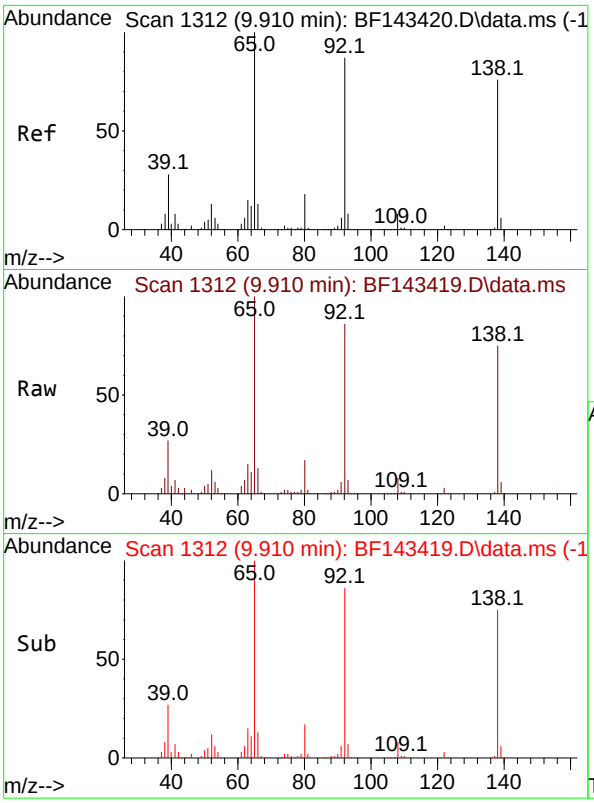


#52
Acenaphthene
Concen: 21.221 ng
RT: 9.992 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:154 Resp: 322026

Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.5	134.3
152	53.6	42.6	64.0



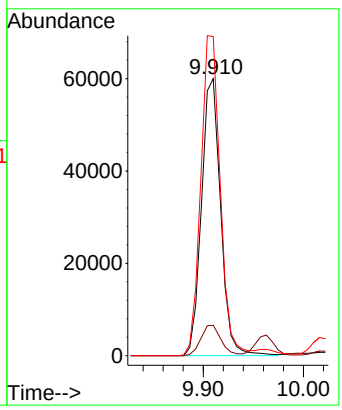


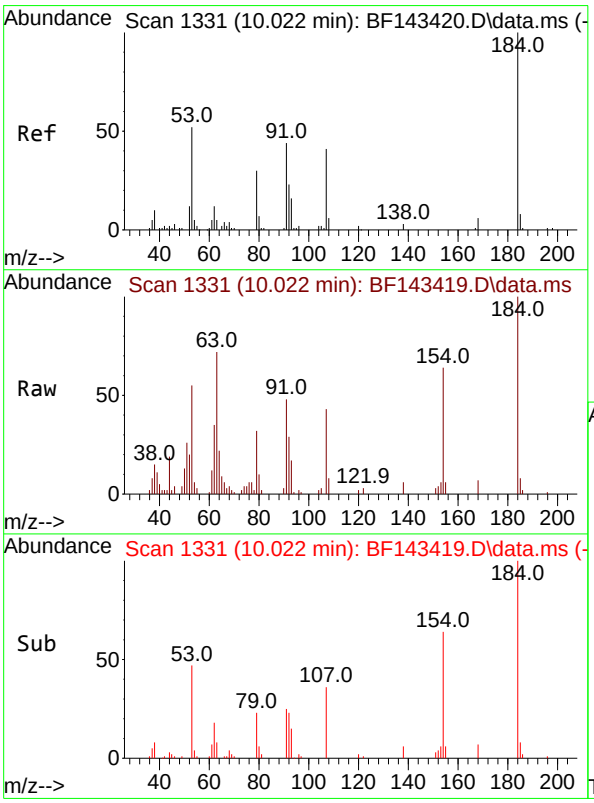
#53
3-Nitroaniline
Concen: 20.702 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 79853

Ion	Ratio	Lower	Upper
138	100		
108	11.0	8.7	13.1
92	115.2	91.4	137.2

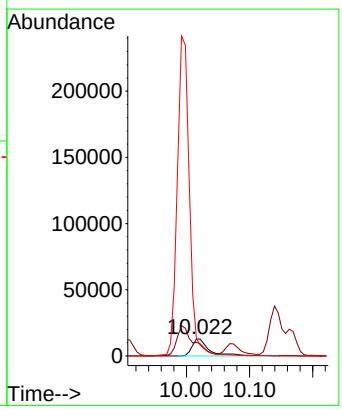


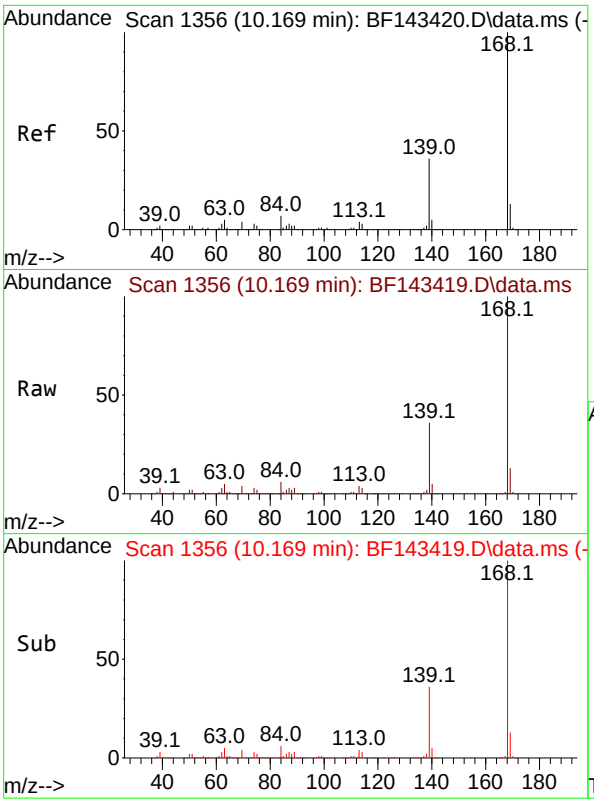


#54
2,4-Dinitrophenol
Concen: 19.975 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:184 Resp: 24644

Ion	Ratio	Lower	Upper
184	100		
63	71.7	53.2	79.8
154	64.1	51.3	76.9



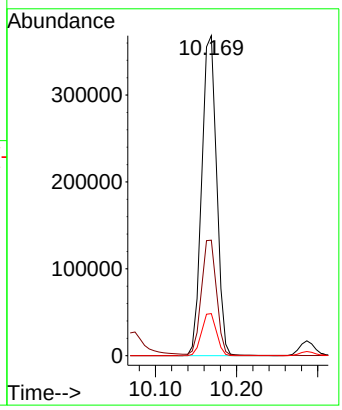


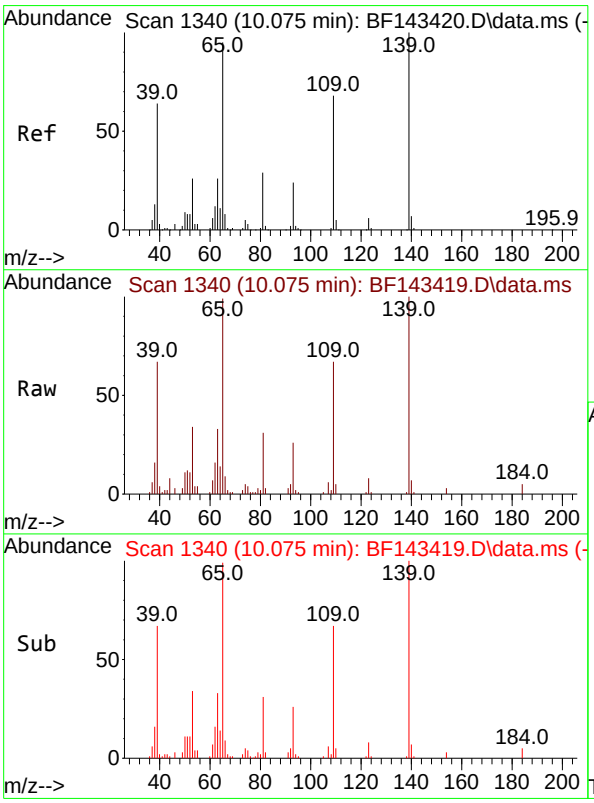
#55
Dibenzofuran
Concen: 21.390 ng
RT: 10.169 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 468229

Ion	Ratio	Lower	Upper
168	100		
139	36.1	29.3	43.9
169	13.2	10.8	16.2

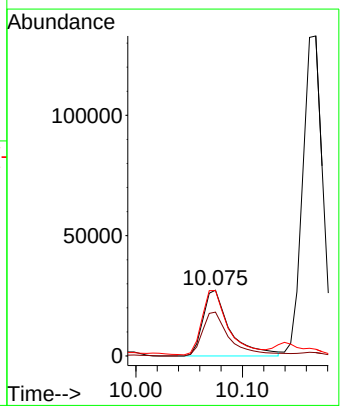


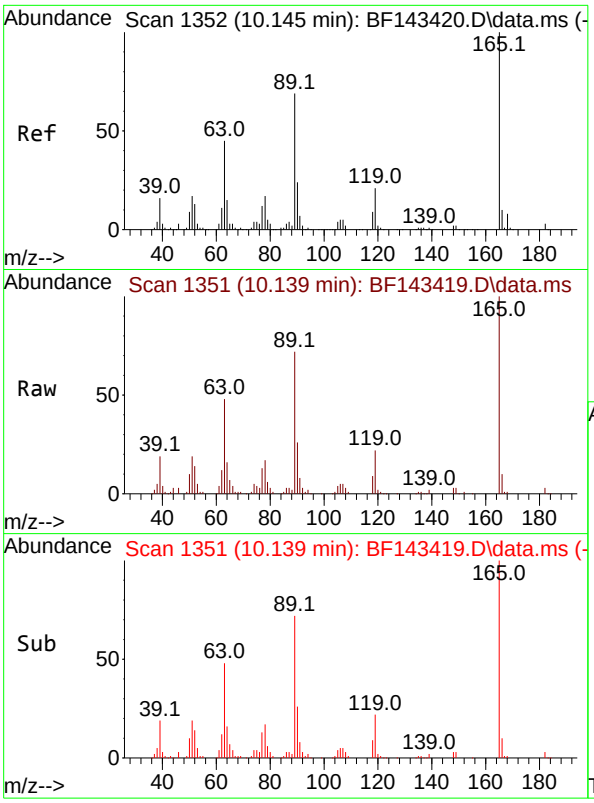


#56
4-Nitrophenol
Concen: 19.778 ng
RT: 10.075 min Scan# 1340
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:139 Resp: 47964

Ion	Ratio	Lower	Upper
139	100		
109	66.6	47.7	87.7
65	99.4	76.4	116.4



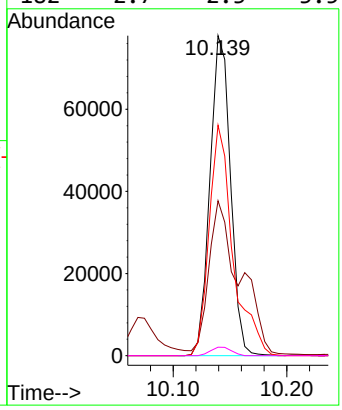


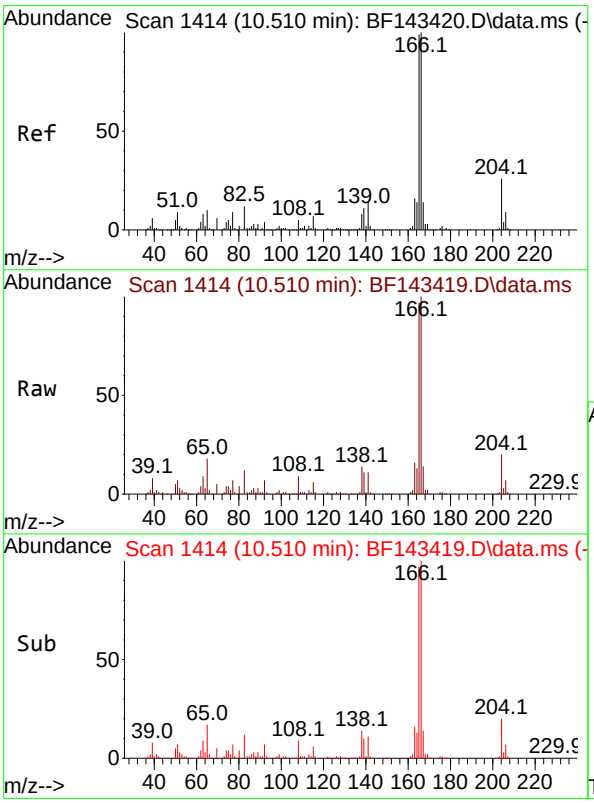
#57
2,4-Dinitrotoluene
Concen: 21.170 ng
RT: 10.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 97735

Ion	Ratio	Lower	Upper
165	100		
63	48.4	37.0	55.6
89	72.0	55.4	83.0
182	2.7	2.3	3.5

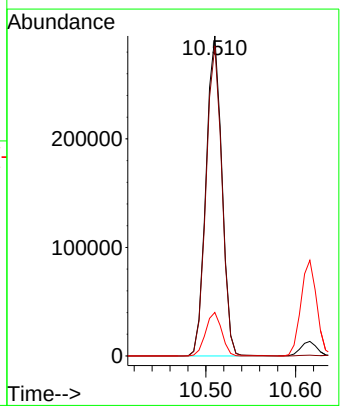


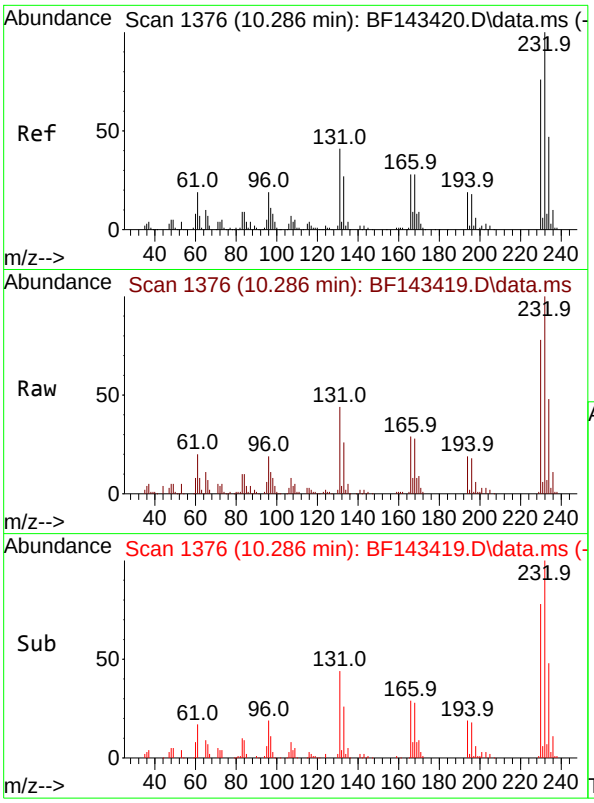


#58
Fluorene
Concen: 21.570 ng
RT: 10.510 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:166 Resp: 362746

Ion	Ratio	Lower	Upper
166	100		
165	96.9	79.0	118.6
167	13.6	10.9	16.3



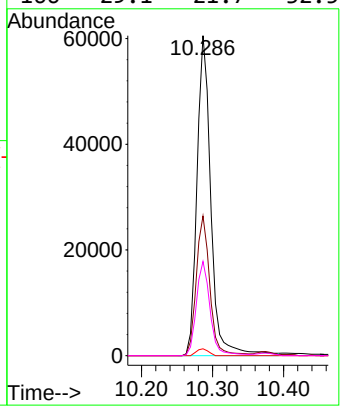


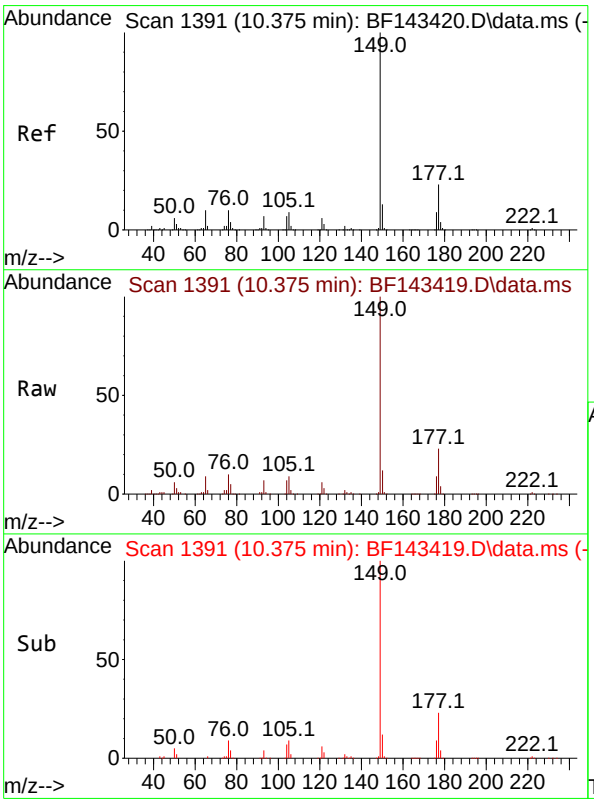
#59
2,3,4,6-Tetrachlorophenol
Concen: 20.756 ng
RT: 10.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 82552

Ion	Ratio	Lower	Upper
232	100		
131	42.7	32.0	48.0
130	1.9	1.7	2.5
166	29.1	21.7	32.5

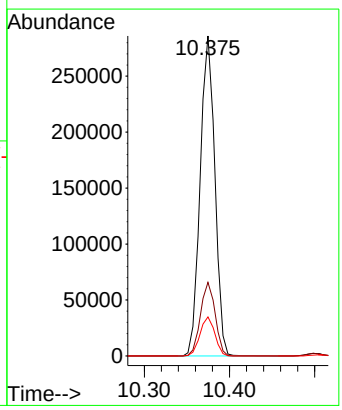


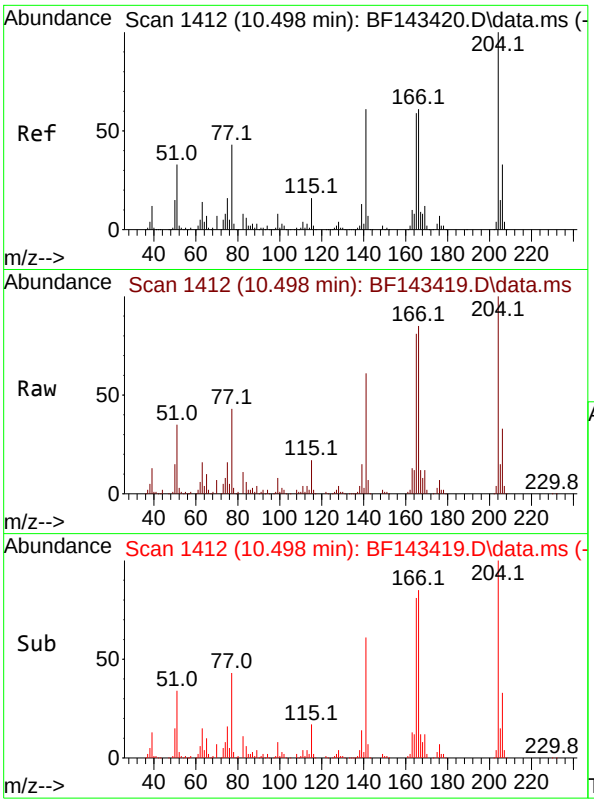


#60
Diethylphthalate
Concen: 21.125 ng
RT: 10.375 min Scan# 1391
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:149 Resp: 342918

Ion	Ratio	Lower	Upper
149	100		
177	23.0	18.2	27.4
150	12.2	10.1	15.1



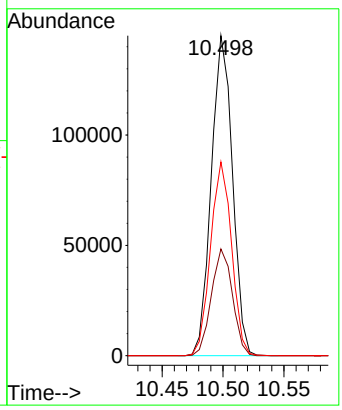


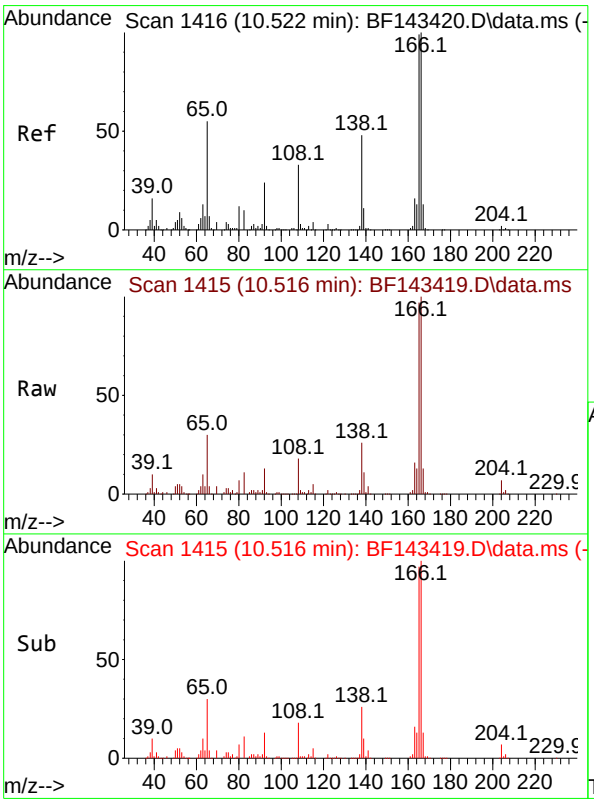
#61
4-Chlorophenyl-phenylether
Concen: 21.084 ng
RT: 10.498 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 175302

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.5	39.7
141	60.5	49.0	73.4

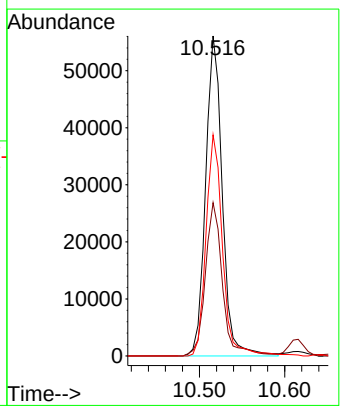


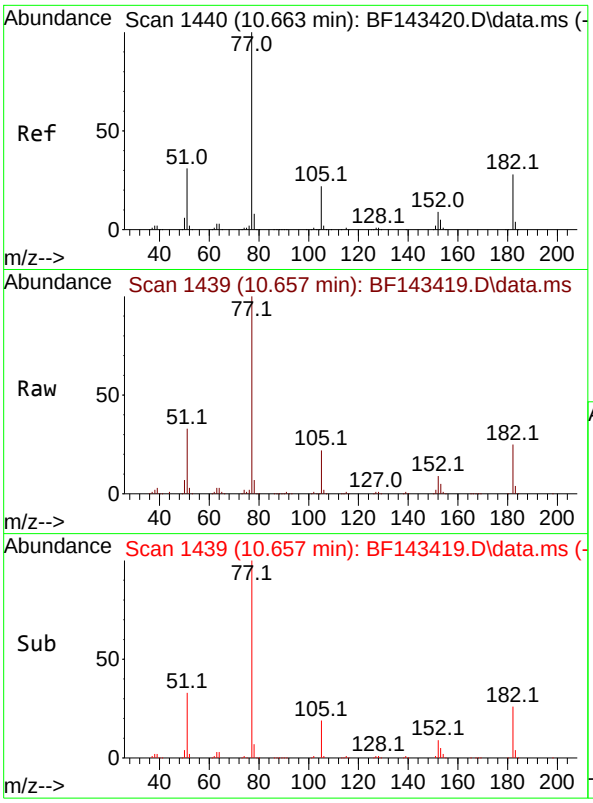


#62
4-Nitroaniline
Concen: 21.129 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:138 Resp: 76220

Ion	Ratio	Lower	Upper
138	100		
92	47.9	29.4	69.4
108	69.1	48.6	88.6



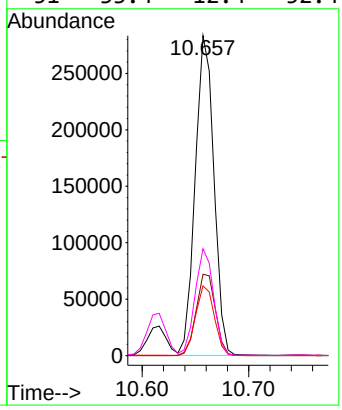


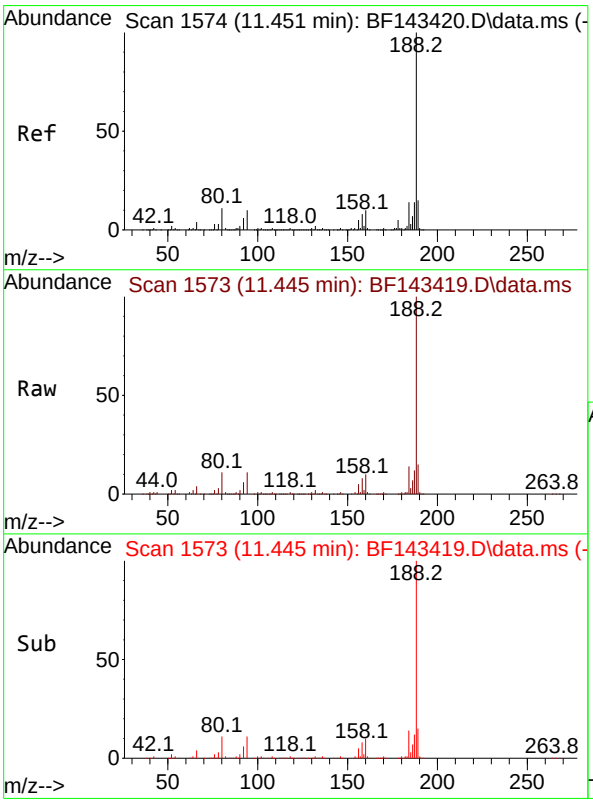
#63
Azobenzene
Concen: 21.108 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 346304

Ion	Ratio	Lower	Upper
77	100		
182	25.5	7.4	47.4
105	21.8	1.7	41.7
51	33.4	12.4	52.4

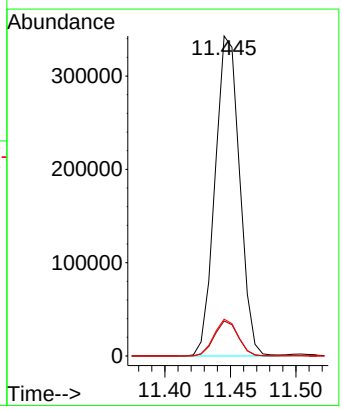


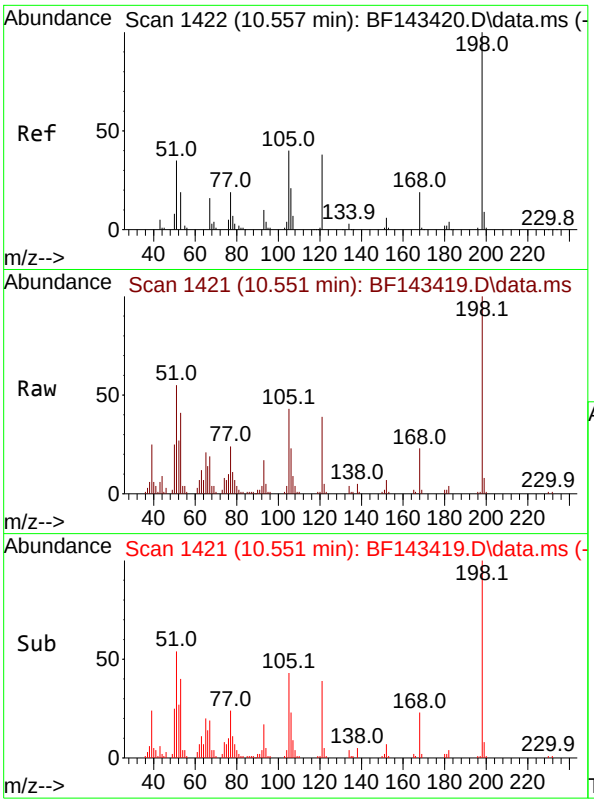


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:188 Resp: 446308

Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.0	12.0
80	11.5	8.6	12.8



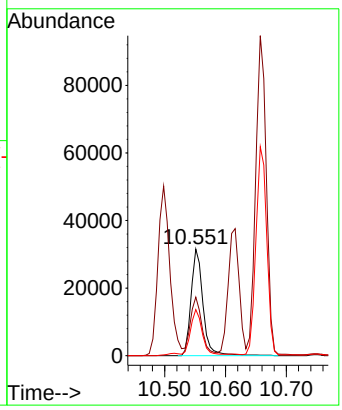


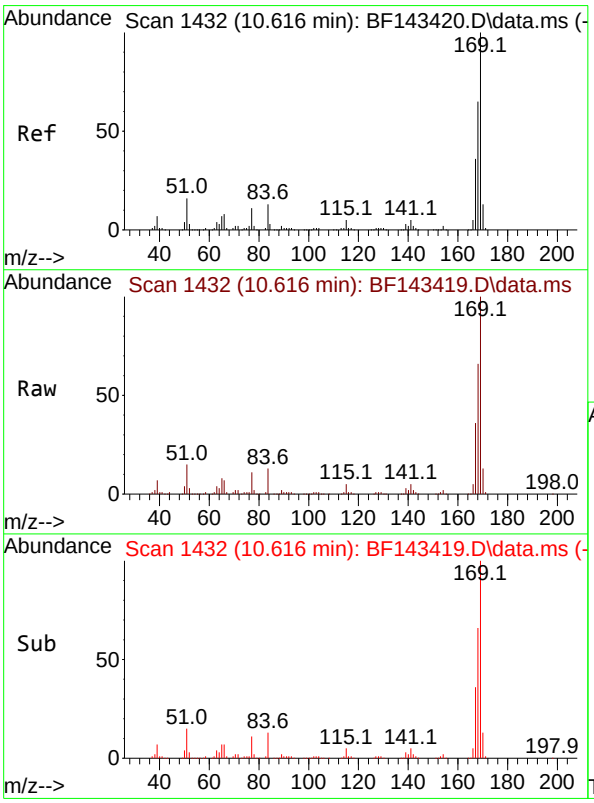
#65
4,6-Dinitro-2-methylphenol
Concen: 18.685 ng
RT: 10.551 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 43027

Ion	Ratio	Lower	Upper
198	100		
51	54.9	31.2	71.2
105	43.2	21.7	61.7

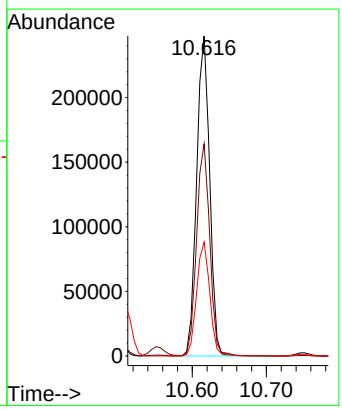


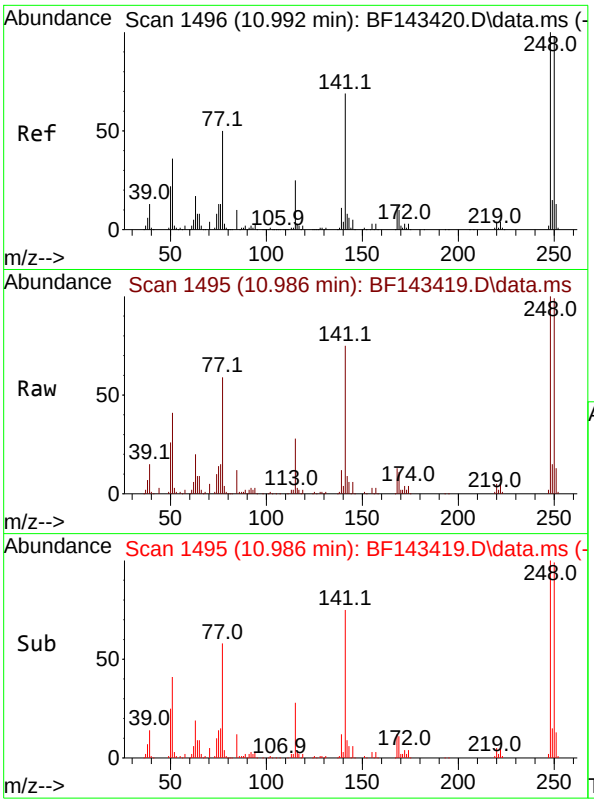


#66
n-Nitrosodiphenylamine
Concen: 20.804 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:169 Resp: 301902

Ion	Ratio	Lower	Upper
169	100		
168	66.3	52.5	78.7
167	35.6	28.6	42.8



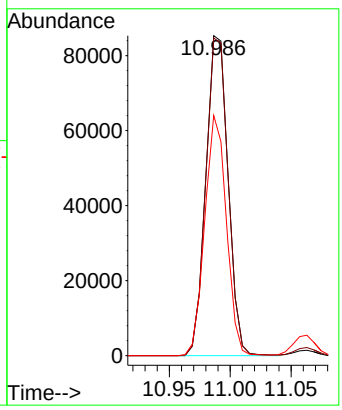


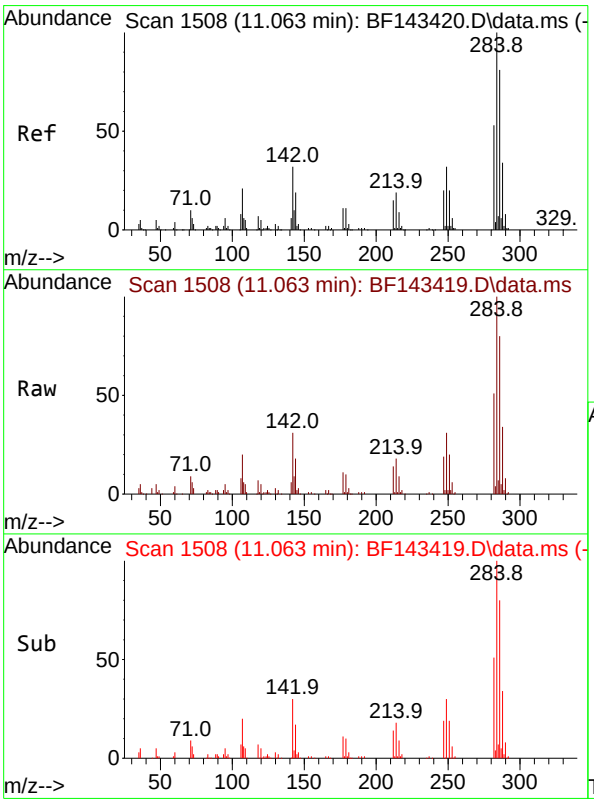
#67
4-Bromophenyl-phenylether
Concen: 20.607 ng
RT: 10.986 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 108605

Ion	Ratio	Lower	Upper
248	100		
250	99.2	78.6	118.0
141	75.0	54.9	82.3

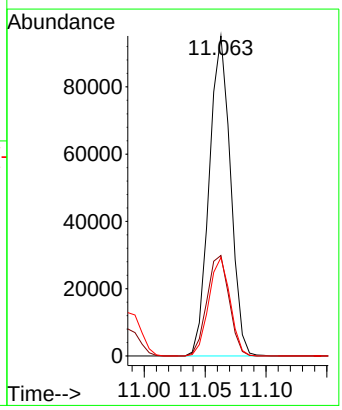


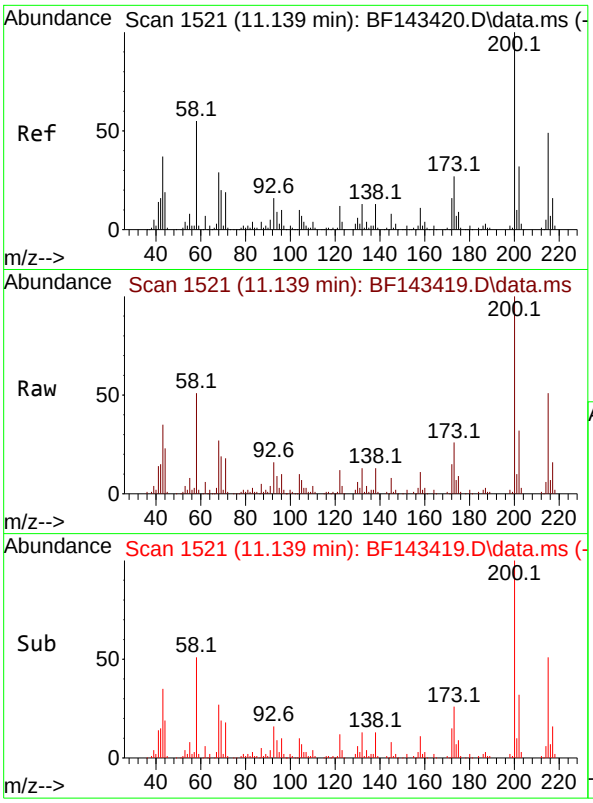


#68
Hexachlorobenzene
Concen: 20.642 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:284 Resp: 115655

Ion	Ratio	Lower	Upper
284	100		
142	31.4	25.4	38.2
249	30.8	25.4	38.0



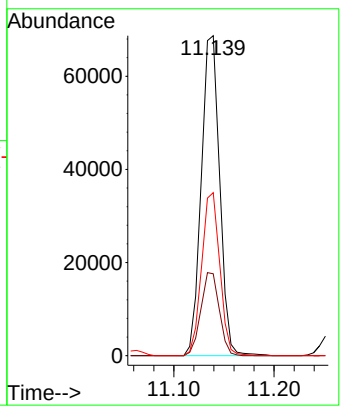


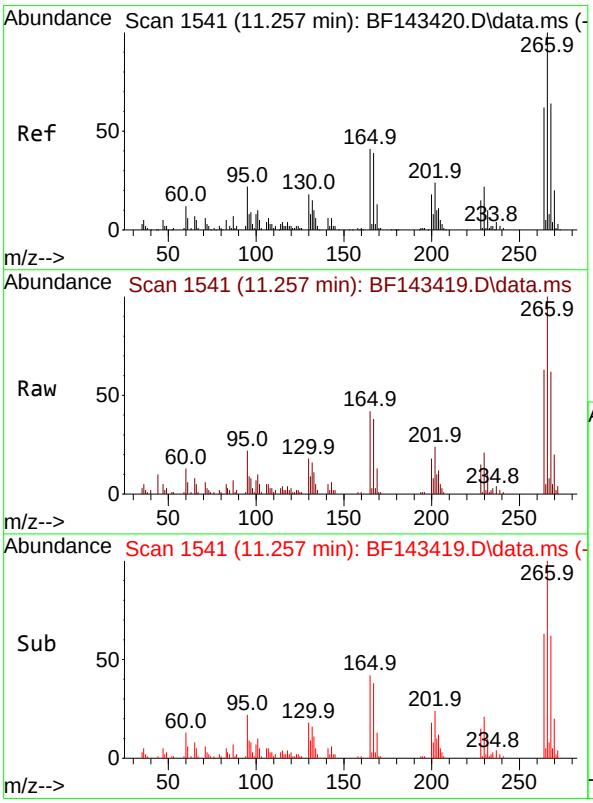
#69
Atrazine
Concen: 20.722 ng
RT: 11.139 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 87958

Ion	Ratio	Lower	Upper
200	100		
173	25.6	6.6	46.6
215	50.9	29.5	69.5

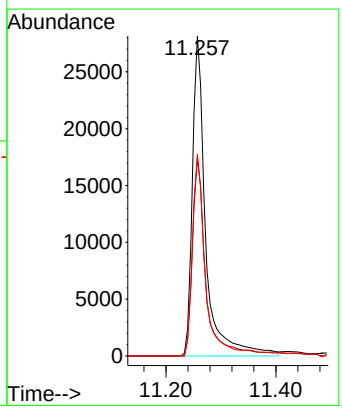


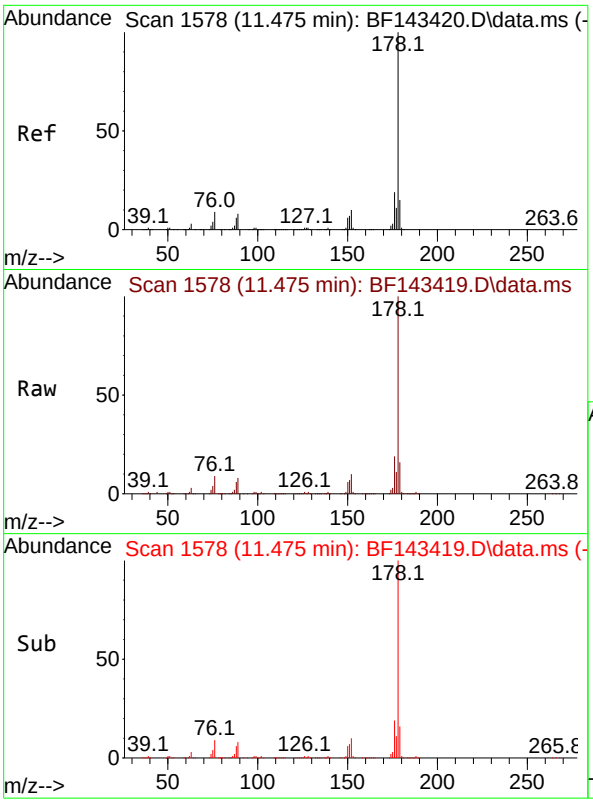


#70
Pentachlorophenol
Concen: 19.081 ng
RT: 11.257 min Scan# 1541
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:266 Resp: 47465

Ion	Ratio	Lower	Upper
266	100		
268	61.6	51.0	76.6
264	63.1	49.3	73.9



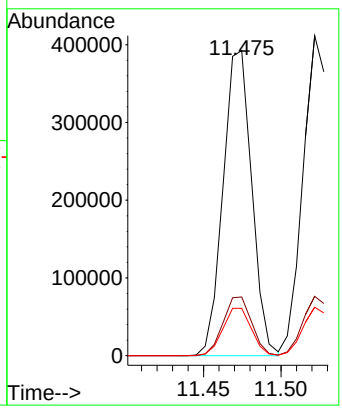


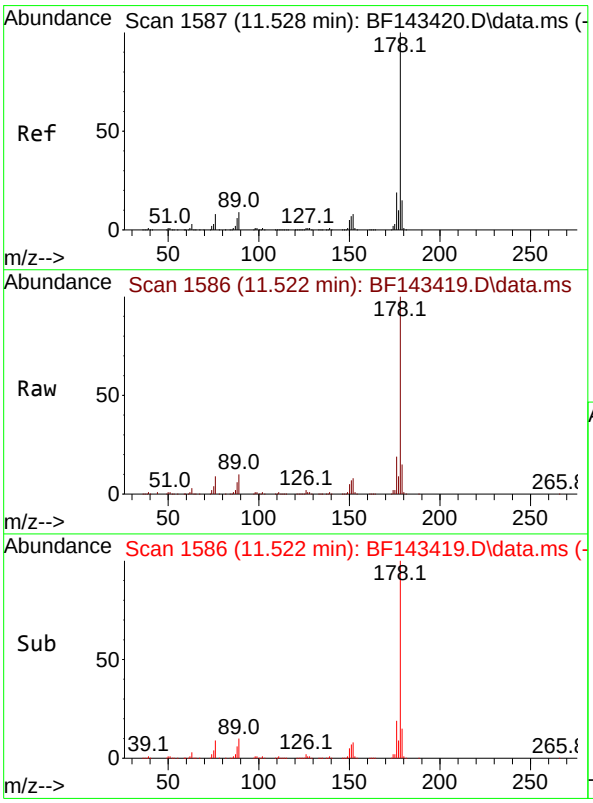
#71
Phenanthrene
Concen: 20.895 ng
RT: 11.475 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 505004

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.5	12.3	18.5

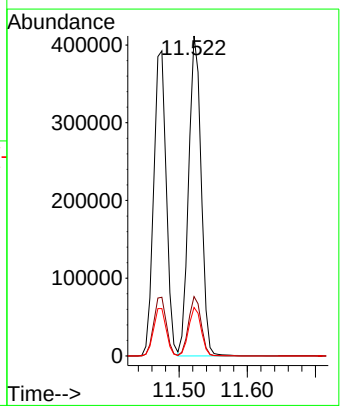


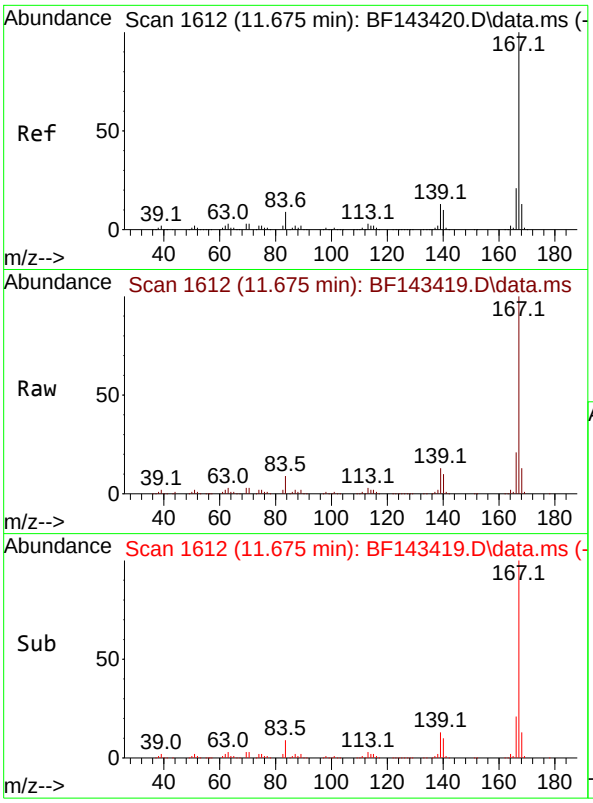


#72
Anthracene
Concen: 21.325 ng
RT: 11.522 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:178 Resp: 520546

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.2	12.2	18.4



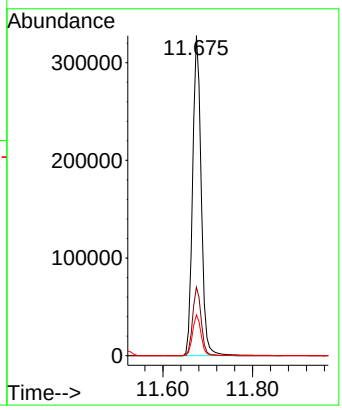


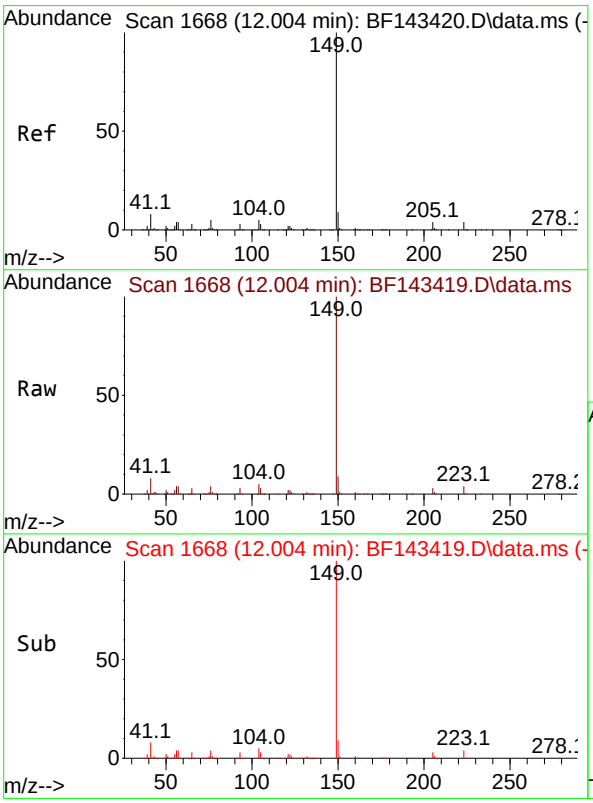
#73
Carbazole
Concen: 21.107 ng
RT: 11.675 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 435759

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.2	25.8
139	12.8	10.1	15.1

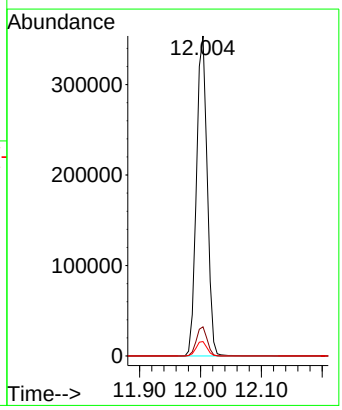


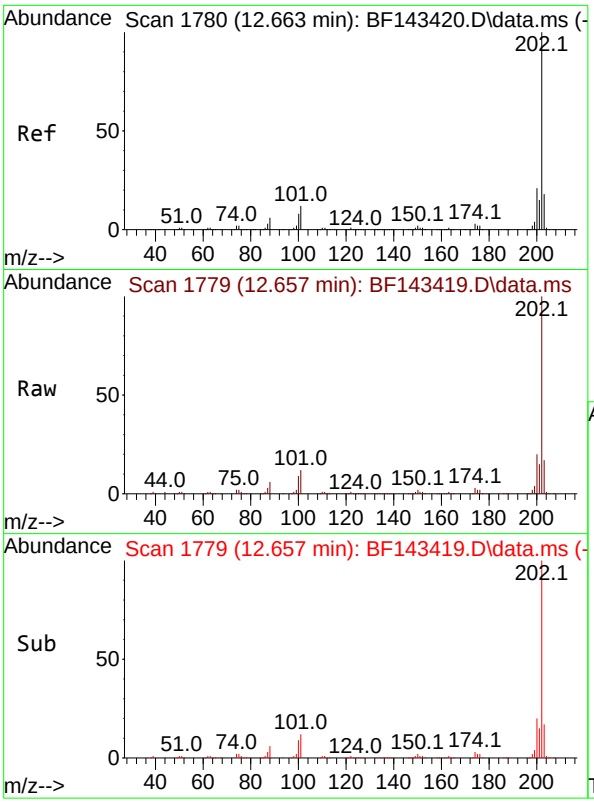


#74
Di-n-butylphthalate
Concen: 21.064 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:149 Resp: 433056

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.5	3.8	5.6



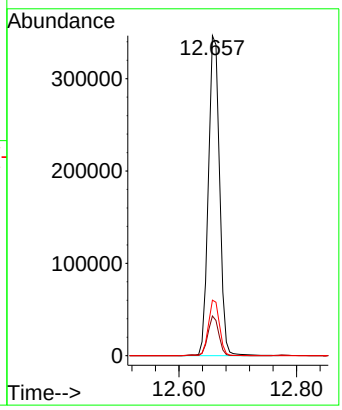


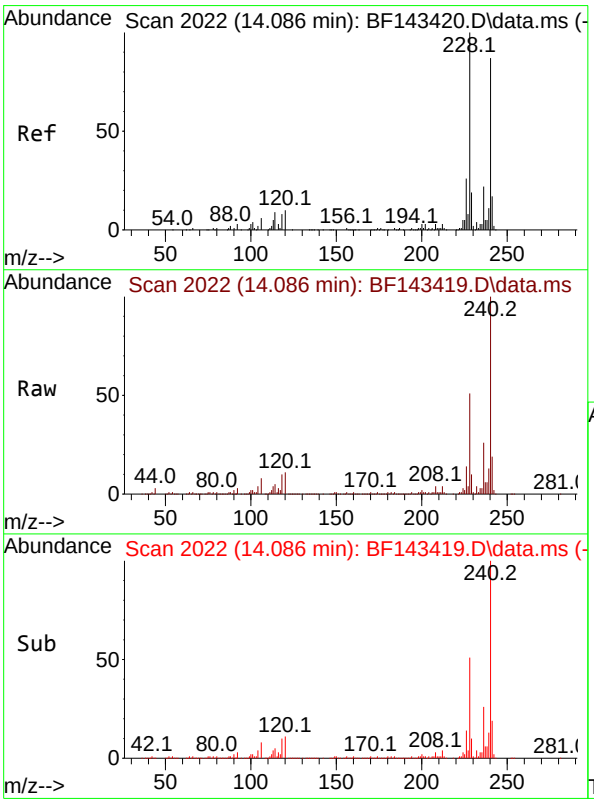
#75
Fluoranthene
Concen: 21.327 ng
RT: 12.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 458001

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	31.5
203	17.4	0.0	37.5

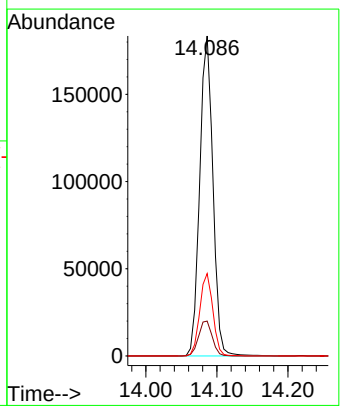


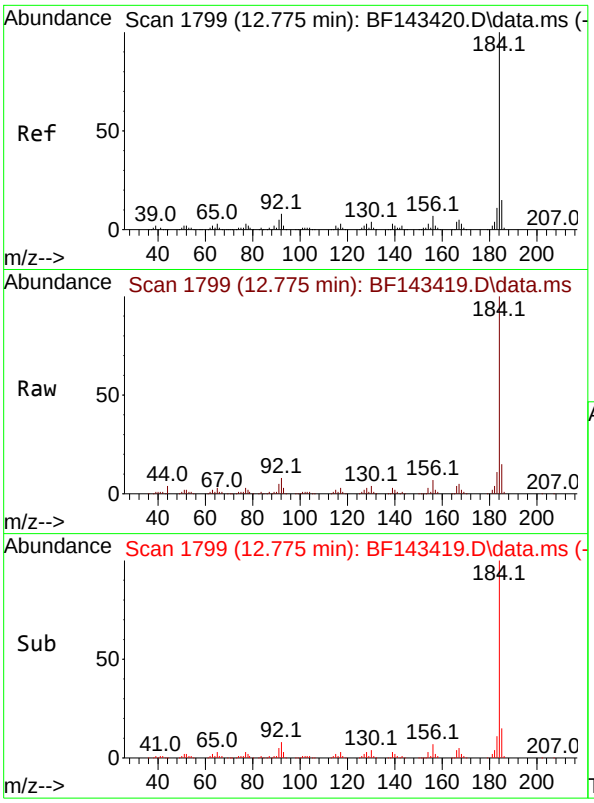


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:240 Resp: 237684

Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.0	13.4
236	25.7	20.2	30.2



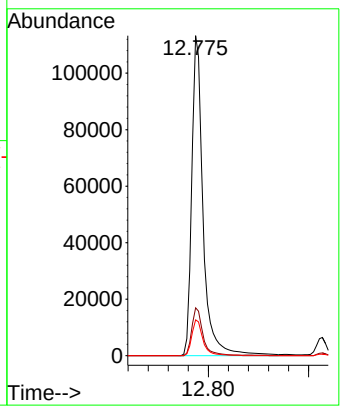


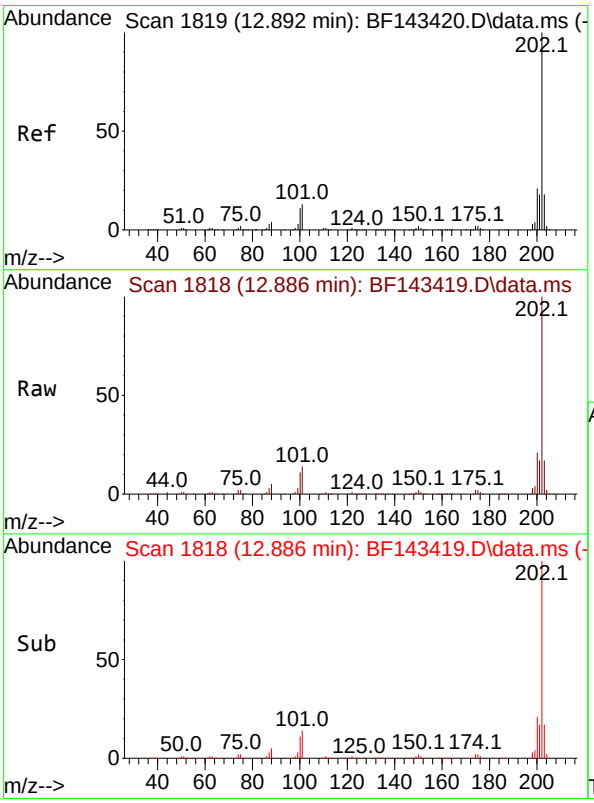
#77
Benzidine
Concen: 26.473 ng
RT: 12.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 178128

Ion	Ratio	Lower	Upper
184	100		
185	14.9	12.2	18.2
183	11.2	9.2	13.8

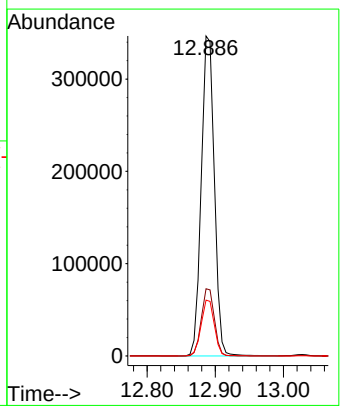


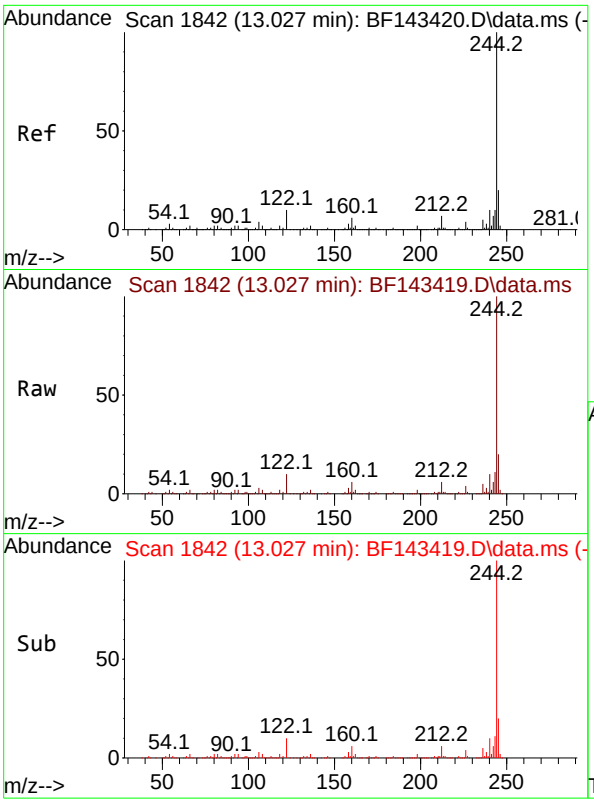


#78
Pyrene
Concen: 22.435 ng
RT: 12.886 min Scan# 1818
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:202 Resp: 463473

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.1	25.7
203	17.5	14.2	21.2



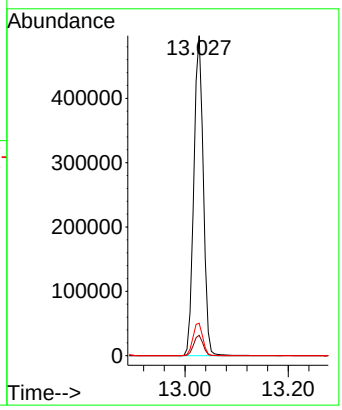


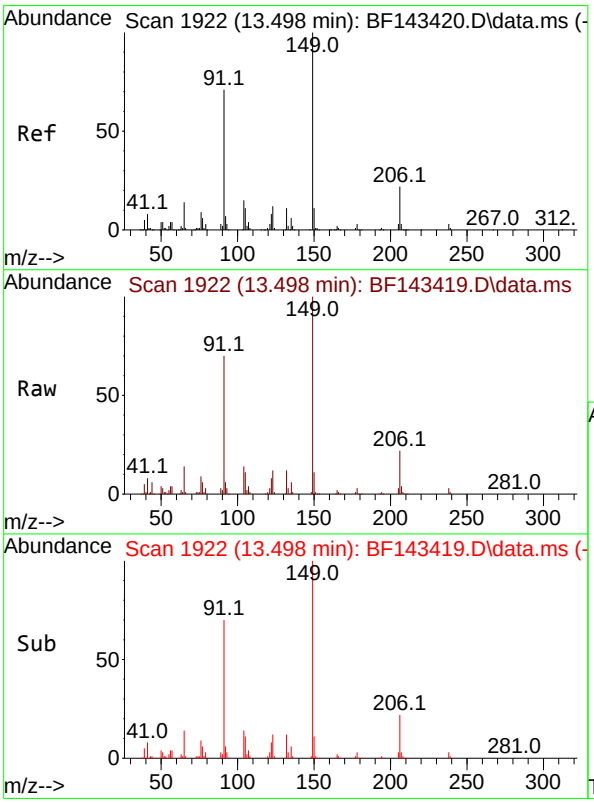
#79
Terphenyl-d14
Concen: 44.646 ng
RT: 13.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 631704

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	10.2	8.3	12.5

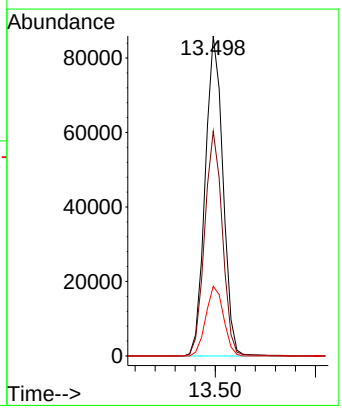


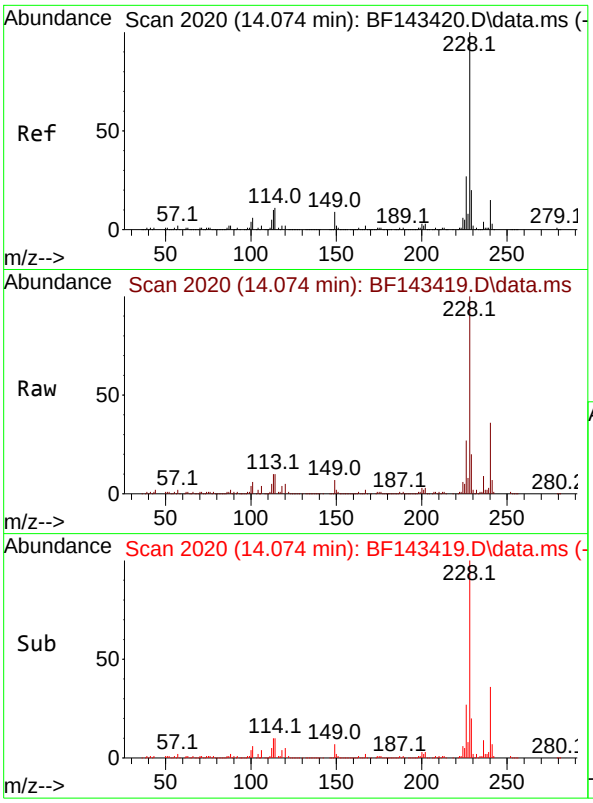


#80
Butylbenzylphthalate
Concen: 20.702 ng
RT: 13.498 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:149 Resp: 105931

Ion	Ratio	Lower	Upper
149	100		
91	70.2	57.0	85.4
206	21.8	17.6	26.4



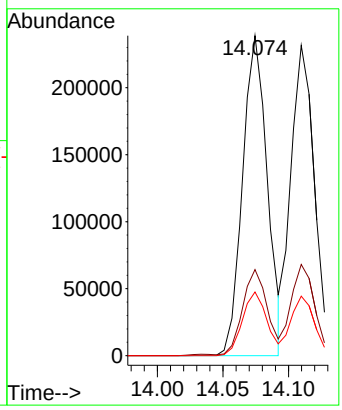


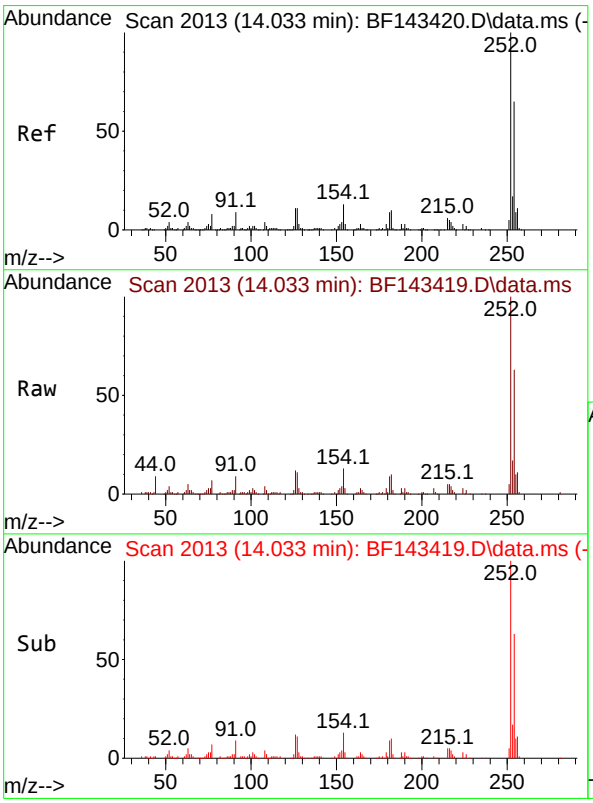
#81
Benzo(a)anthracene
Concen: 20.706 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 313332

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.5	32.3
229	19.9	15.7	23.5

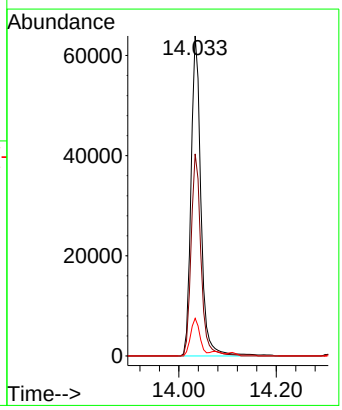


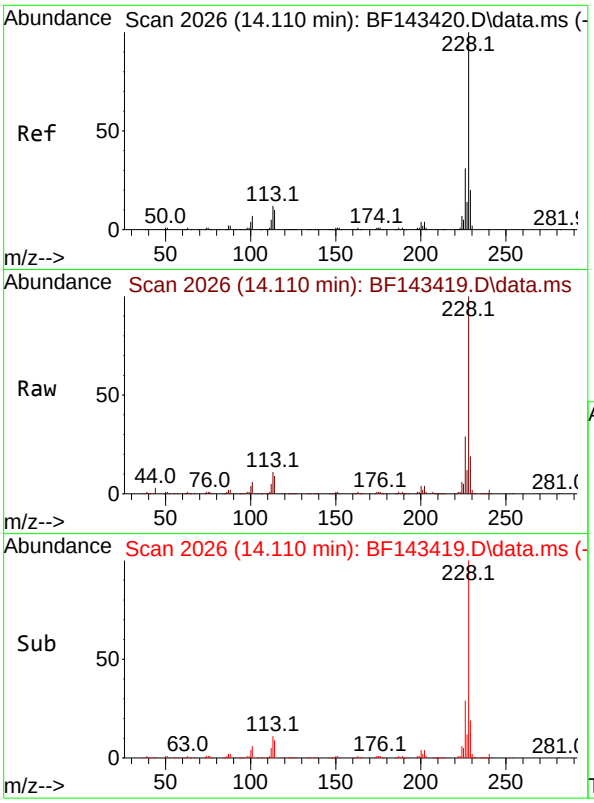


#82
3,3'-Dichlorobenzidine
Concen: 20.470 ng
RT: 14.033 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:252 Resp: 90692

Ion	Ratio	Lower	Upper
252	100		
254	63.2	51.6	77.4
126	11.7	8.8	13.2



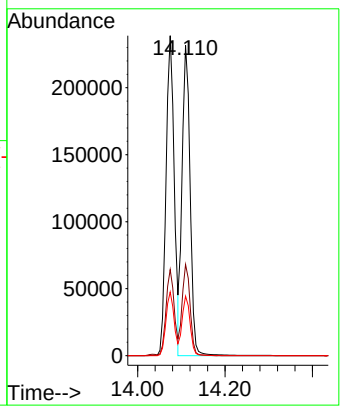


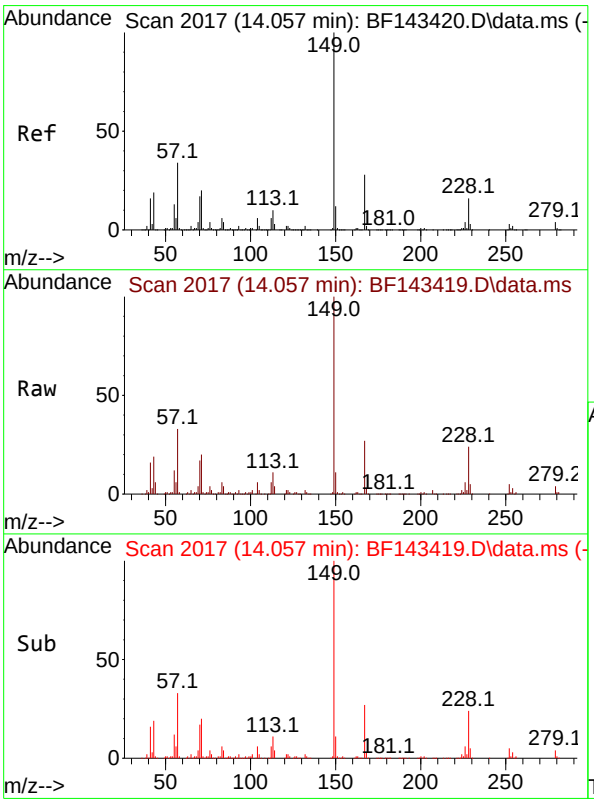
#83
Chrysene
Concen: 21.065 ng
RT: 14.110 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 294690

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.3	36.5
229	19.2	16.1	24.1

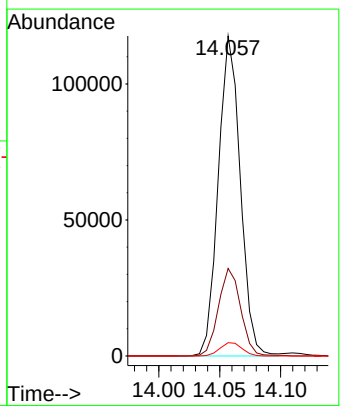


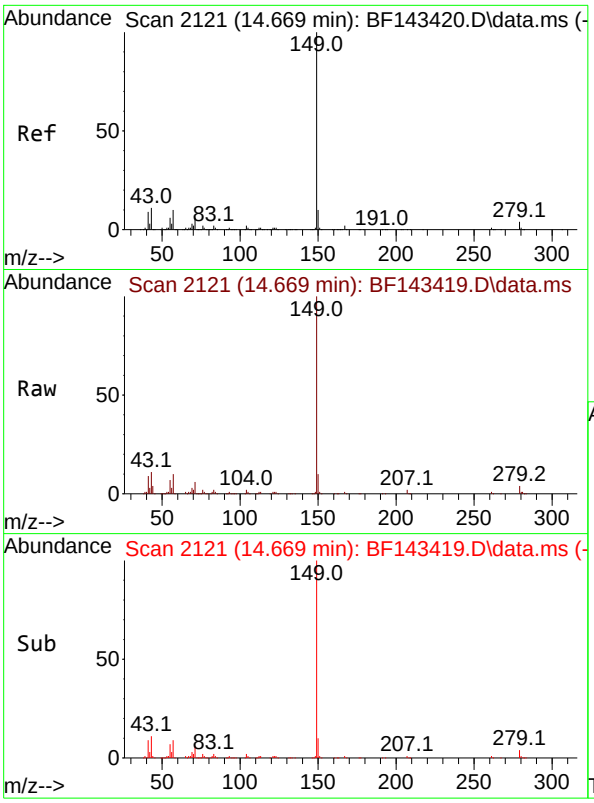


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.395 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:149 Resp: 148211

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.6	33.8
279	4.1	3.5	5.3



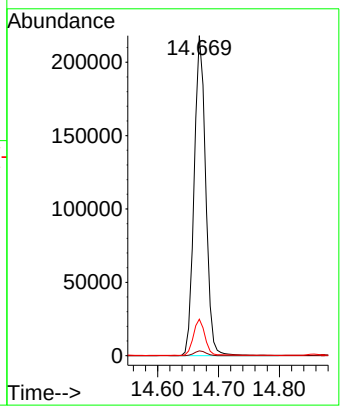


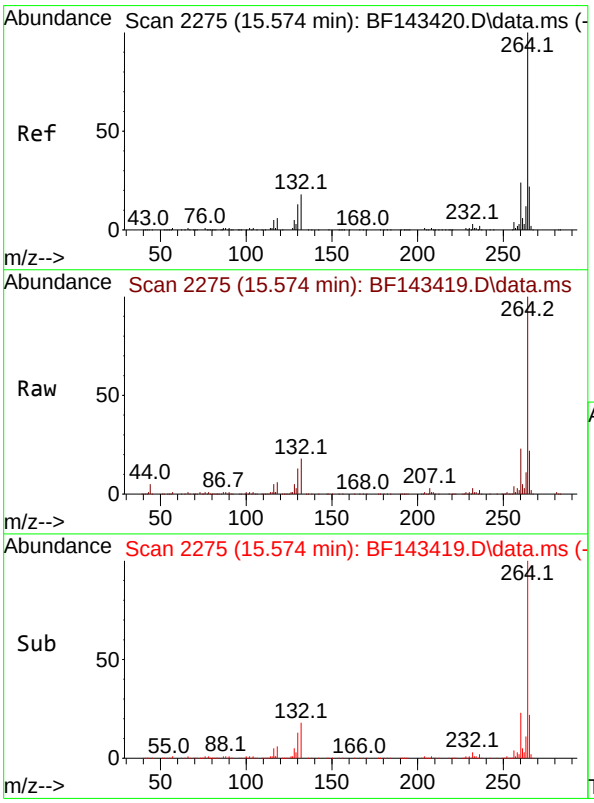
#85
Di-n-octyl phthalate
Concen: 19.503 ng
RT: 14.669 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 287456

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.5	9.0	13.6

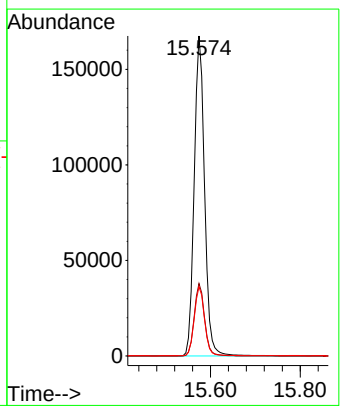


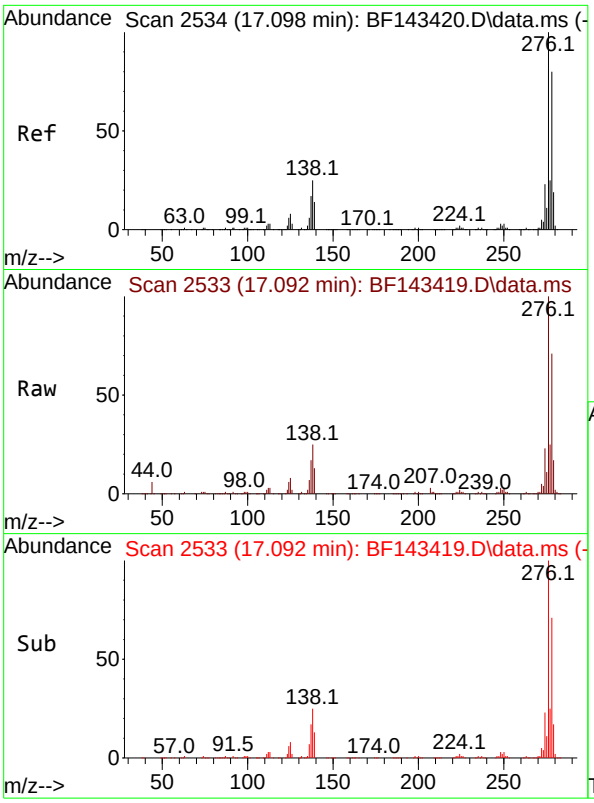


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2275
Delta R.T. 0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:264 Resp: 269028

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.8	28.2
265	21.6	17.4	26.0



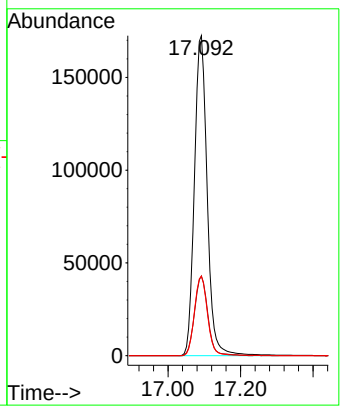


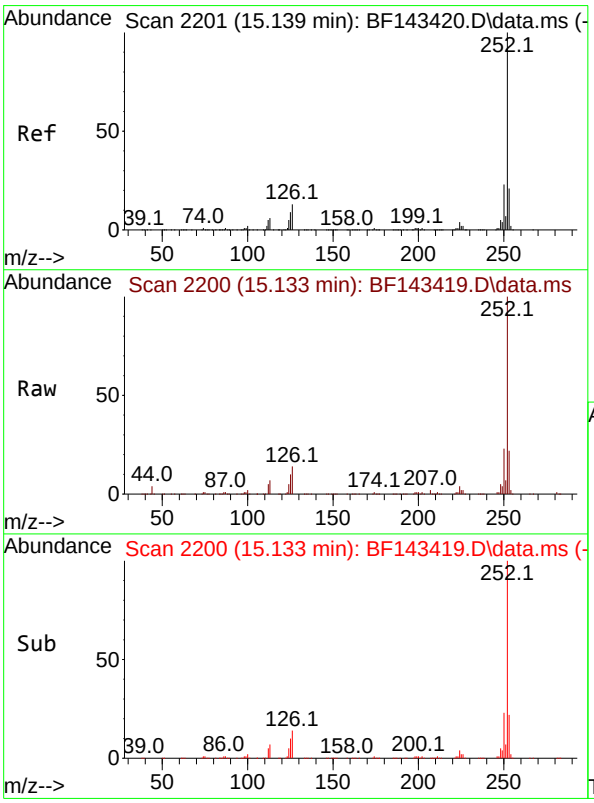
#87
Indeno(1,2,3-cd)pyrene
Concen: 20.929 ng
RT: 17.092 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 422226

Ion	Ratio	Lower	Upper
276	100		
138	25.7	20.2	30.4
277	25.4	20.2	30.2

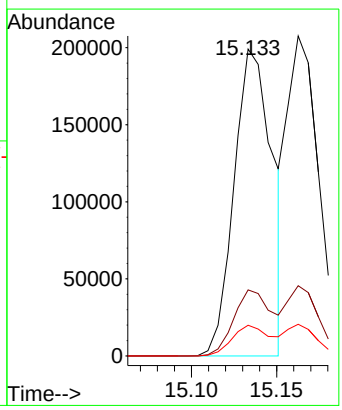


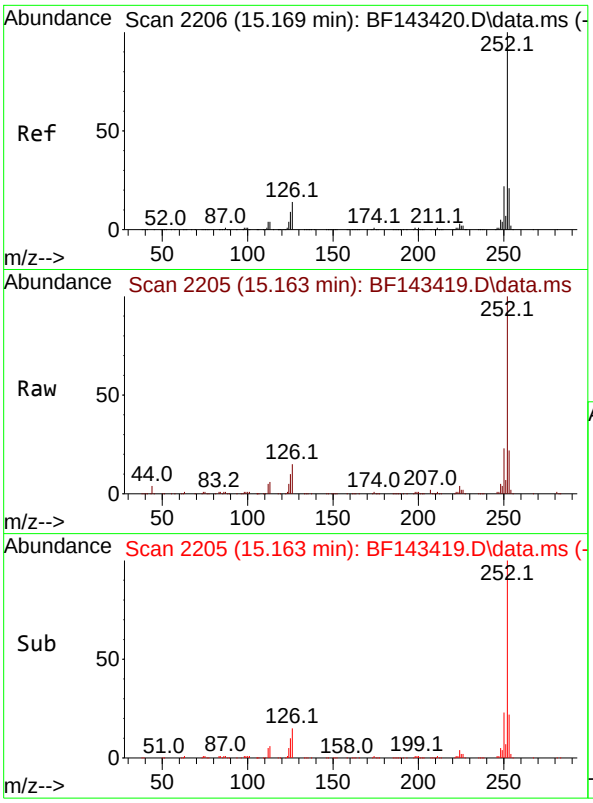


#88
Benzo(b)fluoranthene
Concen: 21.598 ng
RT: 15.133 min Scan# 2200
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:252 Resp: 311415

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.1	25.7
125	10.0	7.5	11.3



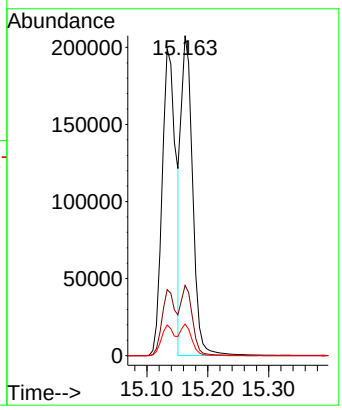


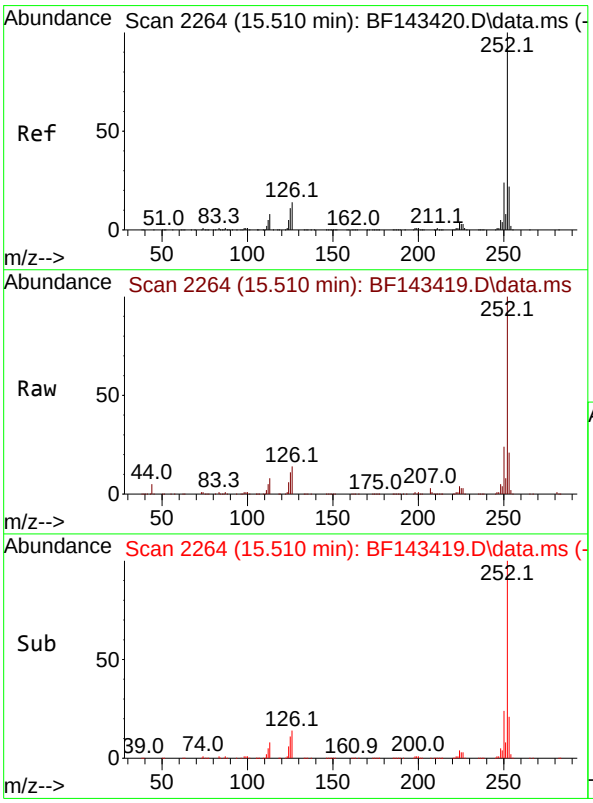
#89
Benzo(k)fluoranthene
Concen: 19.326 ng
RT: 15.163 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 274840

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	9.9	7.4	11.2

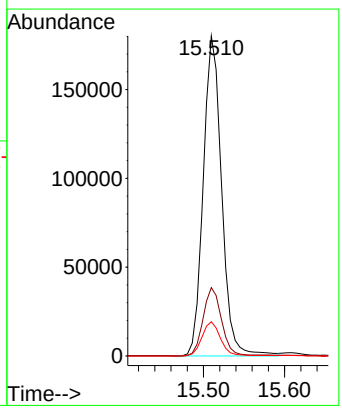


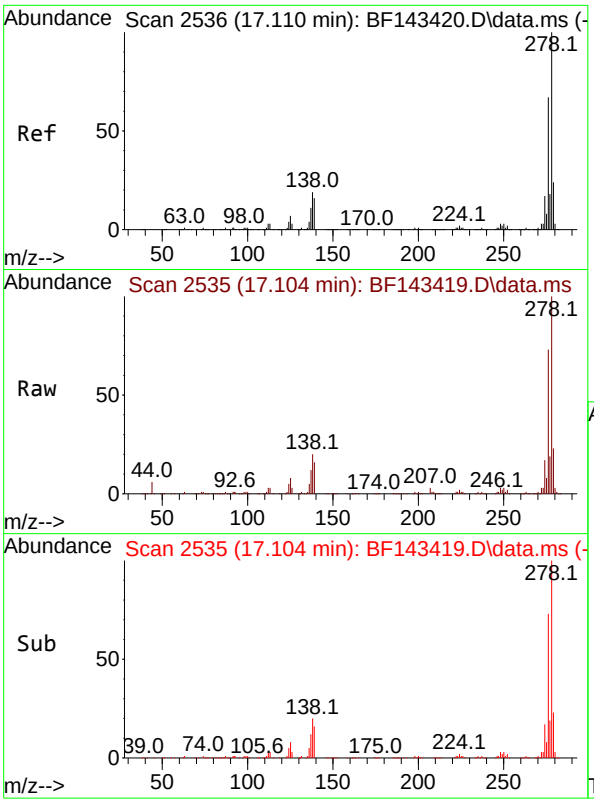


#90
Benzo(a)pyrene
Concen: 20.655 ng
RT: 15.510 min Scan# 2264
Delta R.T. -0.000 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:252 Resp: 283654

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.4	26.2
125	10.7	8.6	12.8



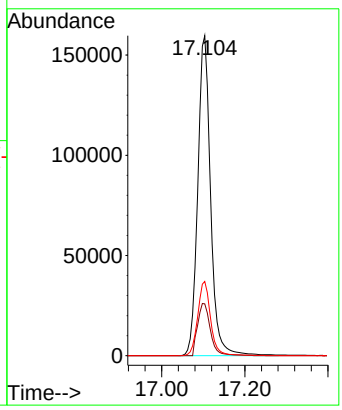


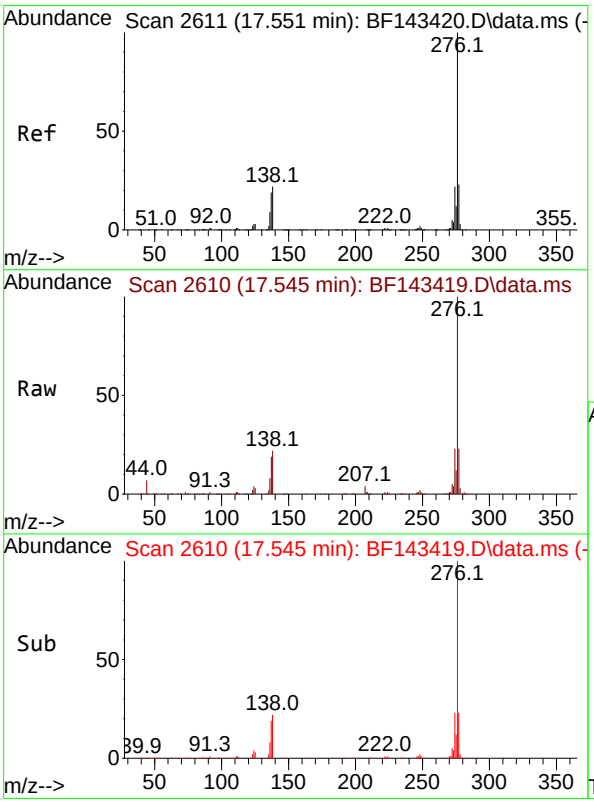
#91
Dibenzo(a,h)anthracene
Concen: 21.179 ng
RT: 17.104 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 343124

Ion	Ratio	Lower	Upper
278	100		
139	16.2	12.9	19.3
279	23.2	19.0	28.4

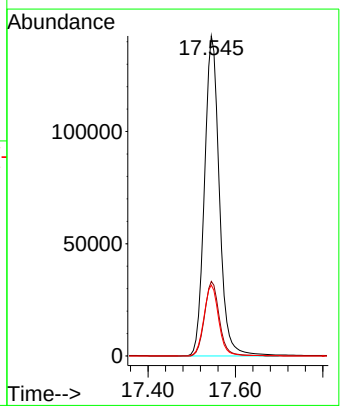




#92
Benzo(g,h,i)perylene
Concen: 20.888 ng
RT: 17.545 min Scan# 2610
Delta R.T. -0.006 min
Lab File: BF143419.D
Acq: 15 Aug 2025 15:58

Tgt Ion:276 Resp: 338060

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.7	28.1
138	22.2	17.5	26.3



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143447.D
Acq On : 19 Aug 2025 10:34
Operator : RC/JU
Sample : PB169285BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Quant Time: Aug 19 12:03:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	132148	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	508774	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	275188	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	445207	20.000	ng	0.00
76) Chrysene-d12	14.086	240	219482	20.000	ng	0.00
86) Perylene-d12	15.580	264	298768	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	939687	123.610	ng	0.02
7) Phenol-d6	6.563	99	1181533	123.329	ng	0.00
23) Nitrobenzene-d5	7.487	82	783562	91.388	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	353346	144.259	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1417654	86.649	ng	0.00
79) Terphenyl-d14	13.027	244	1191219	91.173	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.840	88	154659	42.265	ng	99
3) Pyridine	3.599	79	379545	39.547	ng	99
4) n-Nitrosodimethylamine	3.540	42	220904	49.521	ng	98
6) Aniline	6.593	93	456118	35.070	ng	92
8) 2-Chlorophenol	6.716	128	386674	46.072	ng	99
9) Benzaldehyde	6.481	77	203482	39.925	ng	98
10) Phenol	6.581	94	490077	43.837	ng	87
11) bis(2-Chloroethyl)ether	6.657	93	371401	44.818	ng	98
12) 1,3-Dichlorobenzene	6.869	146	432618	46.016	ng	100
13) 1,4-Dichlorobenzene	6.945	146	435366	46.384	ng	99
14) 1,2-Dichlorobenzene	7.098	146	415113	46.304	ng	100
15) Benzyl Alcohol	7.069	79	340635	48.214	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	626587	44.229	ng	95
17) 2-Methylphenol	7.181	107	316722	46.253	ng	99
18) Hexachloroethane	7.440	117	147442	46.150	ng	99
19) n-Nitroso-di-n-propyla...	7.340	70	267887	45.167	ng	97
20) 3+4-Methylphenols	7.334	107	371941	45.436	ng	98
22) Acetophenone	7.334	105	510127	46.634	ng	100
24) Nitrobenzene	7.504	77	419310	46.792	ng	99
25) Isophorone	7.745	82	757780	46.178	ng	99
26) 2-Nitrophenol	7.822	139	208342	50.152	ng	99
27) 2,4-Dimethylphenol	7.863	122	356418	50.744	ng	99
28) bis(2-Chloroethoxy)met...	7.951	93	453785	44.989	ng	99
29) 2,4-Dichlorophenol	8.069	162	333011	46.509	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	351909	47.968	ng	99
31) Naphthalene	8.234	128	1100133	45.546	ng	100
32) Benzoic acid	7.992	122	181934	49.805	ng	99
33) 4-Chloroaniline	8.275	127	196996	22.595	ng	99
34) Hexachlorobutadiene	8.351	225	219438	46.906	ng	100
35) Caprolactam	8.645	113	68924	33.435	ng	98
36) 4-Chloro-3-methylphenol	8.763	107	343428	46.572	ng	100
37) 2-Methylnaphthalene	8.922	142	669878	41.144	ng	100
38) 1-Methylnaphthalene	9.022	142	687519	44.074	ng	99
40) 1,2,4,5-Tetrachloroben...	9.092	216	343203	44.719	ng	99
41) Hexachlorocyclopentadiene	9.081	237	356578	123.490	ng	99
43) 2,4,6-Trichlorophenol	9.204	196	228830	47.798	ng	99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143447.D
Acq On : 19 Aug 2025 10:34
Operator : RC/JU
Sample : PB169285BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Quant Time: Aug 19 12:03:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

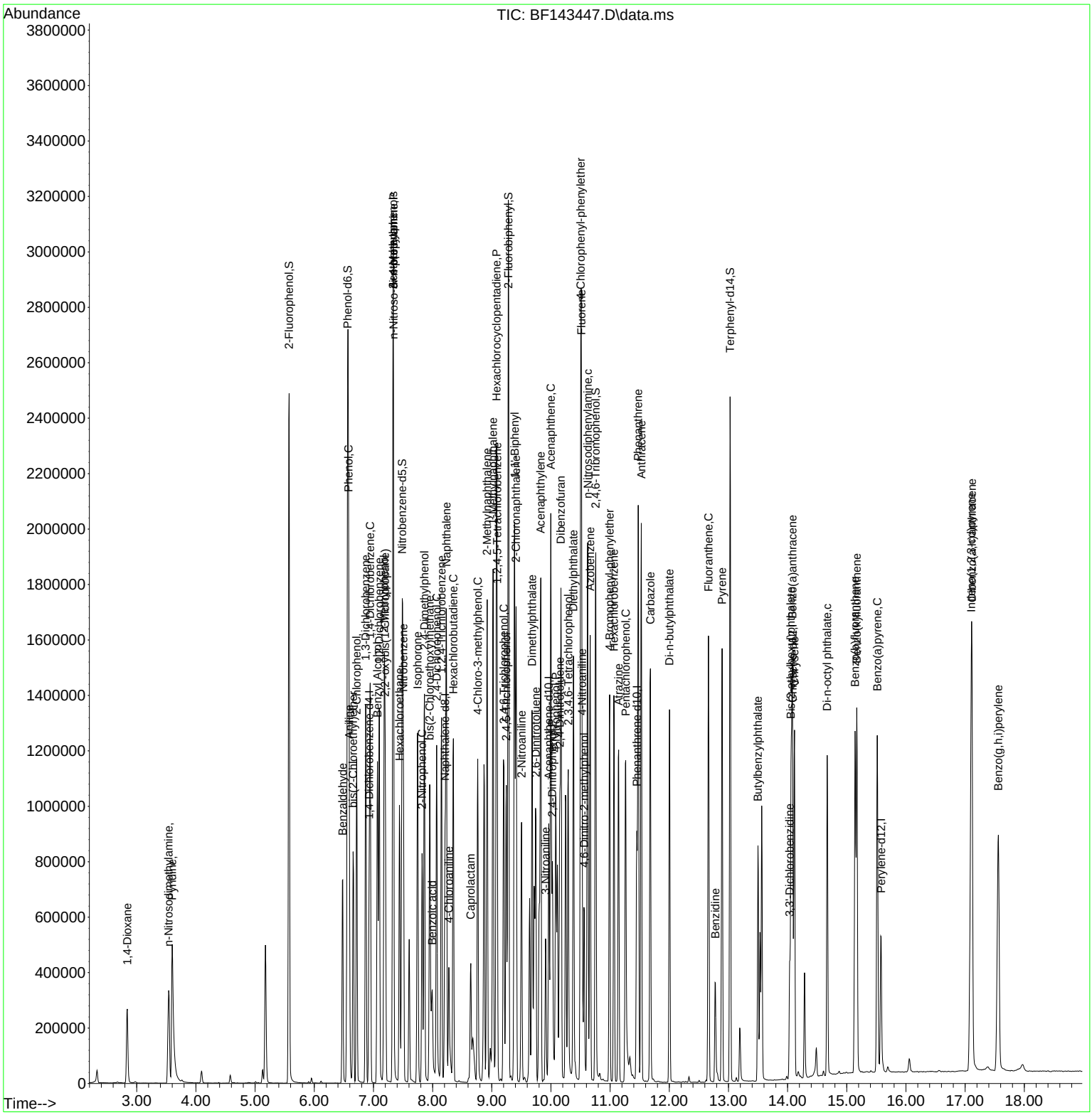
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	242581	47.270	ng	98
46) 1,1'-Biphenyl	9.386	154	902027	46.652	ng	99
47) 2-Chloronaphthalene	9.410	162	692681	45.385	ng	99
48) 2-Nitroaniline	9.504	65	219009	48.219	ng	96
49) Acenaphthylene	9.828	152	1121721	50.903	ng	99
50) Dimethylphthalate	9.681	163	806527	47.009	ng	100
51) 2,6-Dinitrotoluene	9.745	165	180033	53.231	ng	94
52) Acenaphthene	9.998	154	735147	49.601	ng	100
53) 3-Nitroaniline	9.910	138	111767	29.667	ng	99
54) 2,4-Dinitrophenol	10.022	184	170836	106.583	ng	96
55) Dibenzofuran	10.169	168	984704	46.056	ng	99
56) 4-Nitrophenol	10.081	139	236057	99.662	ng	97
57) 2,4-Dinitrotoluene	10.151	165	241594	53.578	ng	97
58) Fluorene	10.516	166	799557	48.679	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.292	232	230118	59.238	ng	99
60) Diethylphthalate	10.381	149	786748	49.623	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	399086	49.144	ng	97
62) 4-Nitroaniline	10.528	138	177734	50.445	ng	99
63) Azobenzene	10.663	77	798109	49.807	ng	99
65) 4,6-Dinitro-2-methylph...	10.563	198	129758	56.487	ng	97
66) n-Nitrosodiphenylamine	10.622	169	699527	48.323	ng	100
67) 4-Bromophenyl-phenylether	10.992	248	252143	47.961	ng	100
68) Hexachlorobenzene	11.063	284	270084	48.324	ng	99
69) Atrazine	11.145	200	206899	48.865	ng	100
70) Pentachlorophenol	11.263	266	265069	107.844	ng	99
71) Phenanthrene	11.475	178	1090159	45.218	ng	100
72) Anthracene	11.528	178	1099395	45.149	ng	99
73) Carbazole	11.680	167	880493	42.754	ng	99
74) Di-n-butylphthalate	12.004	149	933376	45.512	ng	100
75) Fluoranthene	12.663	202	908869	42.427	ng	100
77) Benzidine	12.780	184	228043	34.793	ng	99
78) Pyrene	12.892	202	885867	46.437	ng	99
80) Butylbenzylphthalate	13.498	149	269862	57.112	ng	100
81) Benzo(a)anthracene	14.080	228	693579	49.636	ng	99
82) 3,3'-Dichlorobenzidine	14.033	252	130760	31.961	ng	100
83) Chrysene	14.116	228	609997	47.220	ng	99
84) Bis(2-ethylhexyl)phtha...	14.057	149	391061	58.277	ng	98
85) Di-n-octyl phthalate	14.668	149	762651	56.035	ng	99
87) Indeno(1,2,3-cd)pyrene	17.104	276	1015180	45.311	ng	99
88) Benzo(b)fluoranthene	15.139	252	831746	51.943	ng	99
89) Benzo(k)fluoranthene	15.168	252	686452	43.464	ng	99
90) Benzo(a)pyrene	15.515	252	773479	50.715	ng	99
91) Dibenzo(a,h)anthracene	17.115	278	825082	45.858	ng	99
92) Benzo(g,h,i)perylene	17.562	276	831232	46.247	ng	99

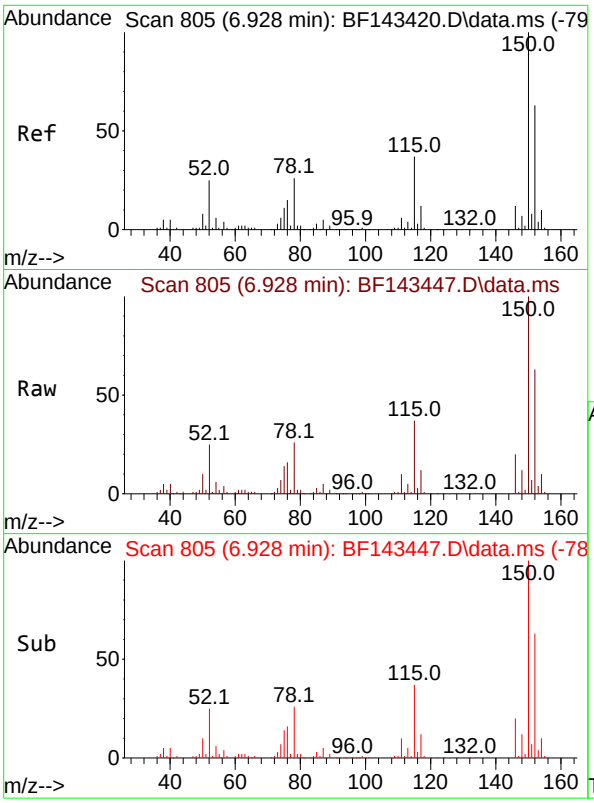
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143447.D
Acq On : 19 Aug 2025 10:34
Operator : RC/JU
Sample : PB169285BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Quant Time: Aug 19 12:03:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration



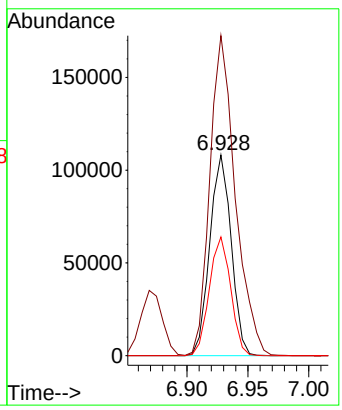


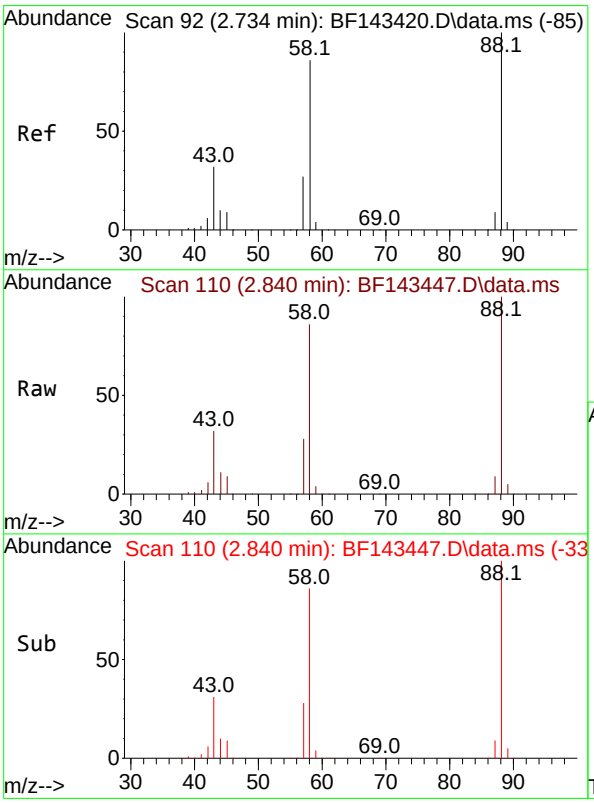
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:152 Resp: 132148

Ion	Ratio	Lower	Upper
152	100		
150	159.4	127.4	191.2
115	59.1	47.5	71.3

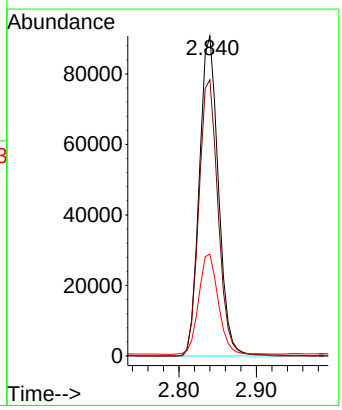


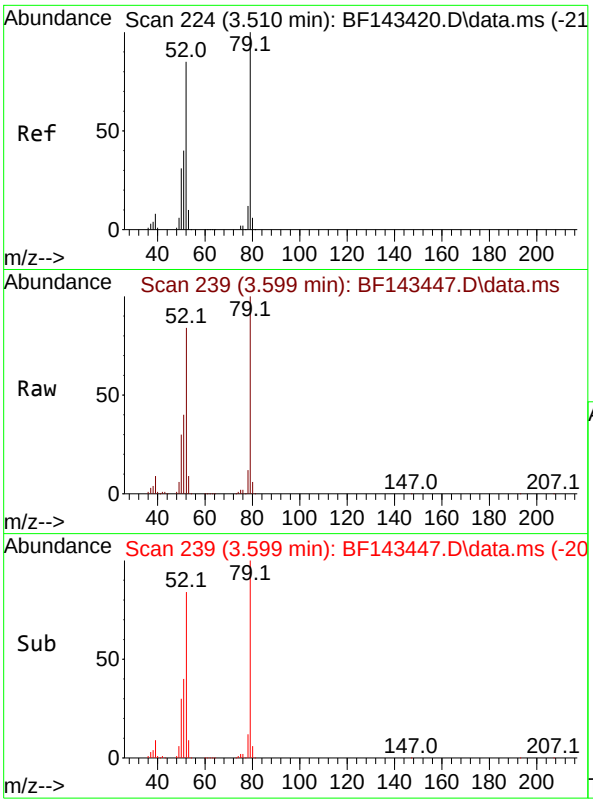


#2
1,4-Dioxane
Concen: 42.265 ng
RT: 2.840 min Scan# 110
Delta R.T. 0.106 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion: 88 Resp: 154659

Ion	Ratio	Lower	Upper
88	100		
58	87.5	68.7	103.1
43	32.3	26.1	39.1



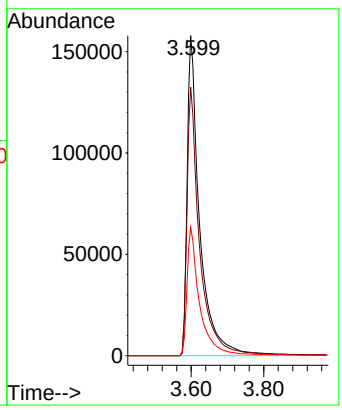


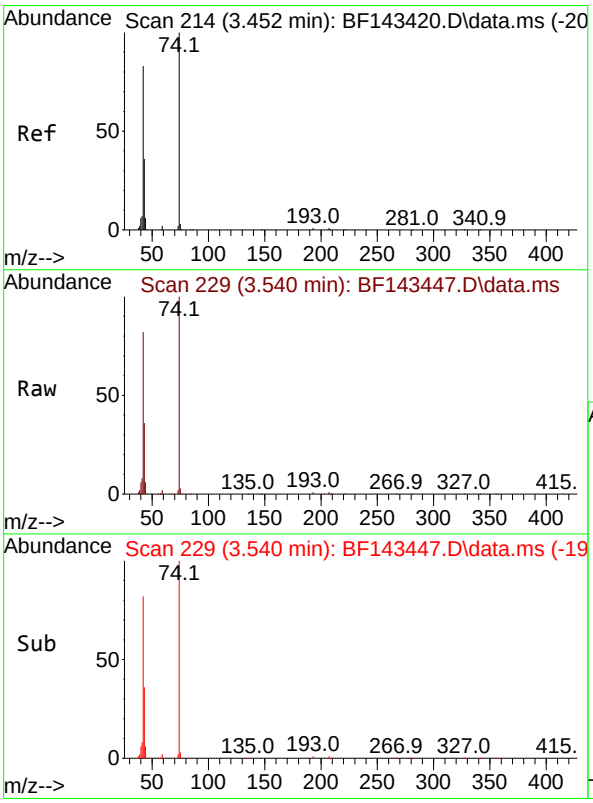
#3
Pyridine
Concen: 39.547 ng
RT: 3.599 min Scan# 2
Delta R.T. 0.088 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion: 79 Resp: 379545

Ion	Ratio	Lower	Upper
79	100		
52	83.9	67.7	101.5
51	40.0	32.3	48.5

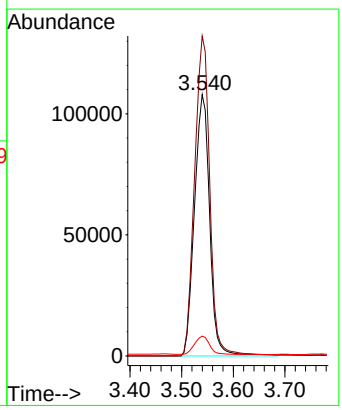


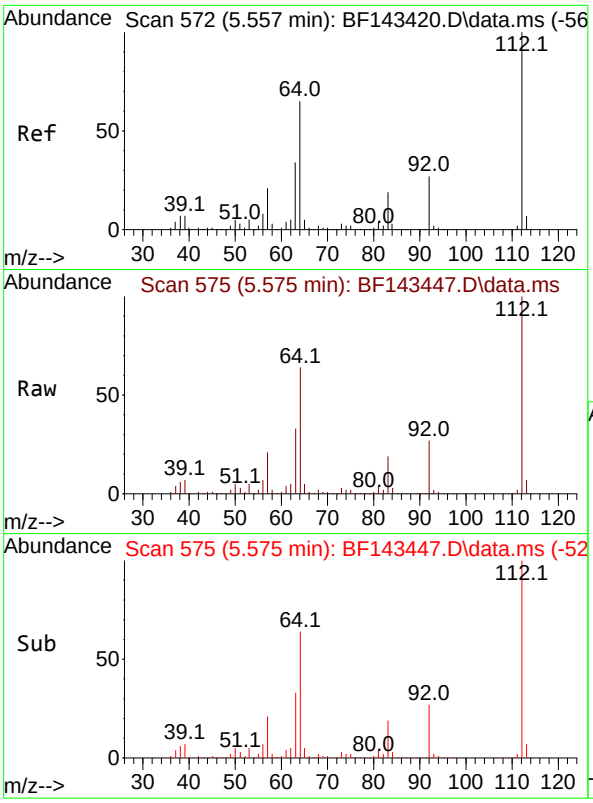


#4
n-Nitrosodimethylamine
Concen: 49.521 ng
RT: 3.540 min Scan# 229
Delta R.T. 0.088 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion: 42 Resp: 220904

Ion	Ratio	Lower	Upper
42	100		
74	122.4	96.2	144.4
44	7.6	5.9	8.9



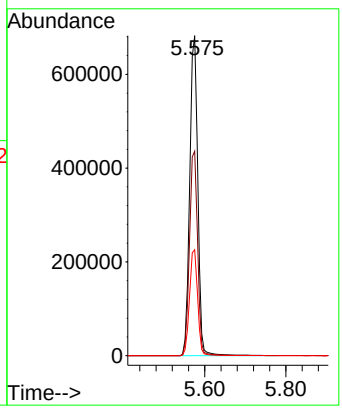


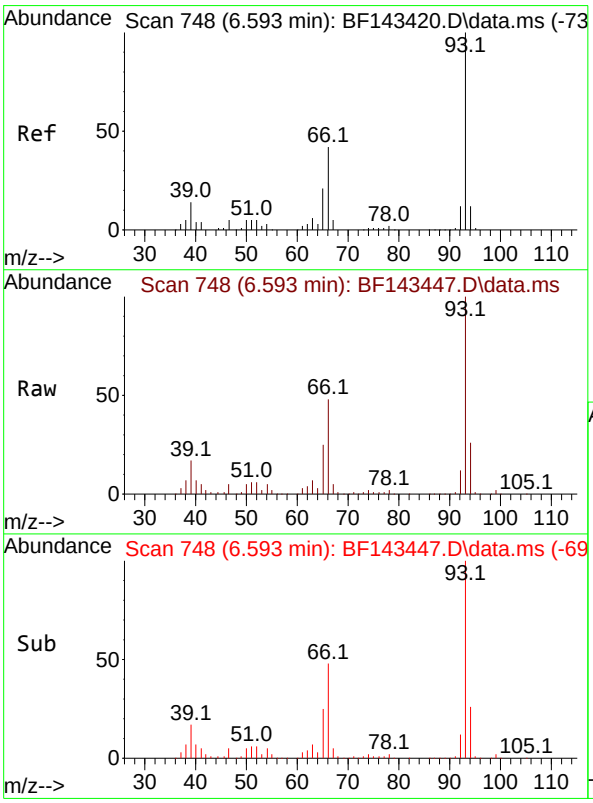
#5
2-Fluorophenol
Concen: 123.610 ng
RT: 5.575 min Scan# 5
Delta R.T. 0.018 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:112 Resp: 939687

Ion	Ratio	Lower	Upper
112	100		
64	63.9	52.2	78.2
63	33.1	27.0	40.6

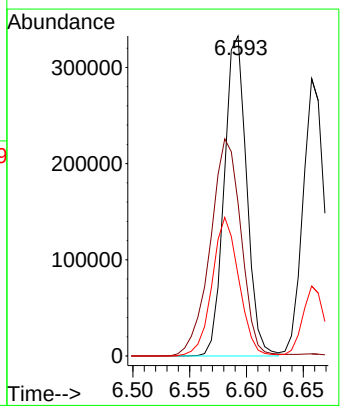


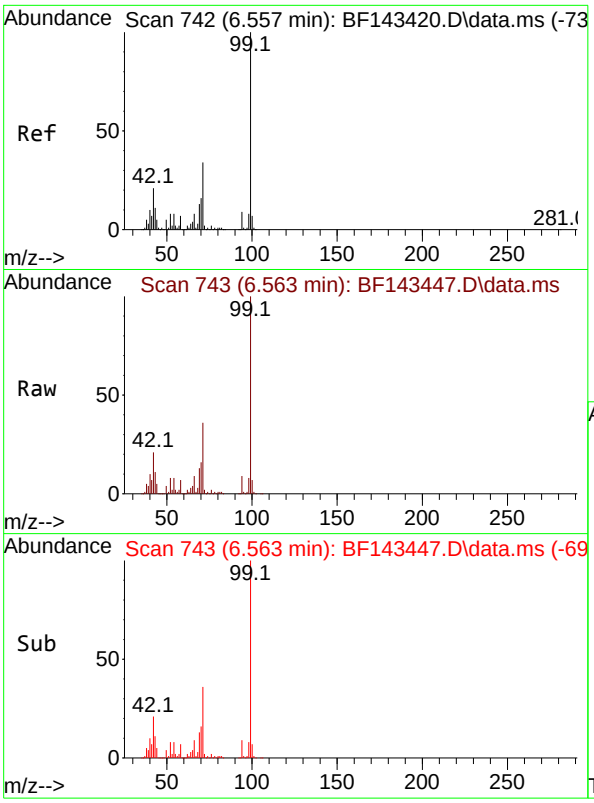


#6
Aniline
Concen: 35.070 ng
RT: 6.593 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion: 93 Resp: 456118

Ion	Ratio	Lower	Upper
93	100		
66	47.9	33.8	50.8
65	25.2	17.2	25.8



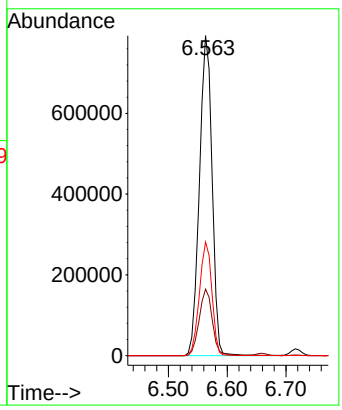


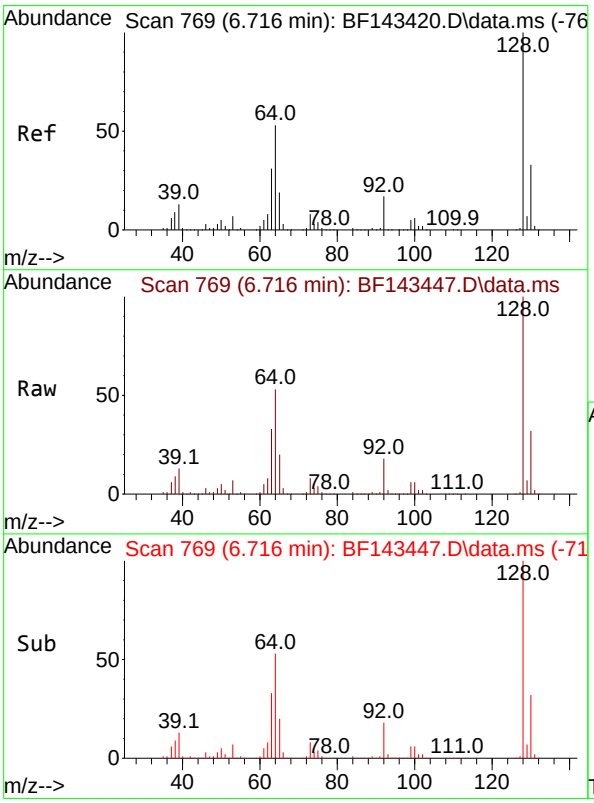
#7
Phenol-d6
Concen: 123.329 ng
RT: 6.563 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion: 99 Resp: 1181533

Ion	Ratio	Lower	Upper
99	100		
42	20.8	17.0	25.6
71	35.5	27.4	41.2

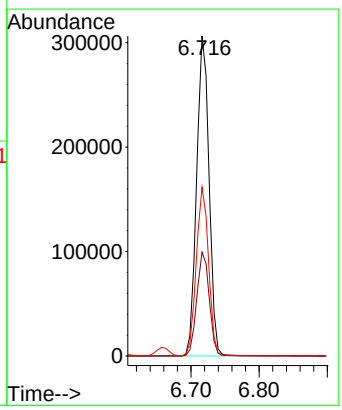


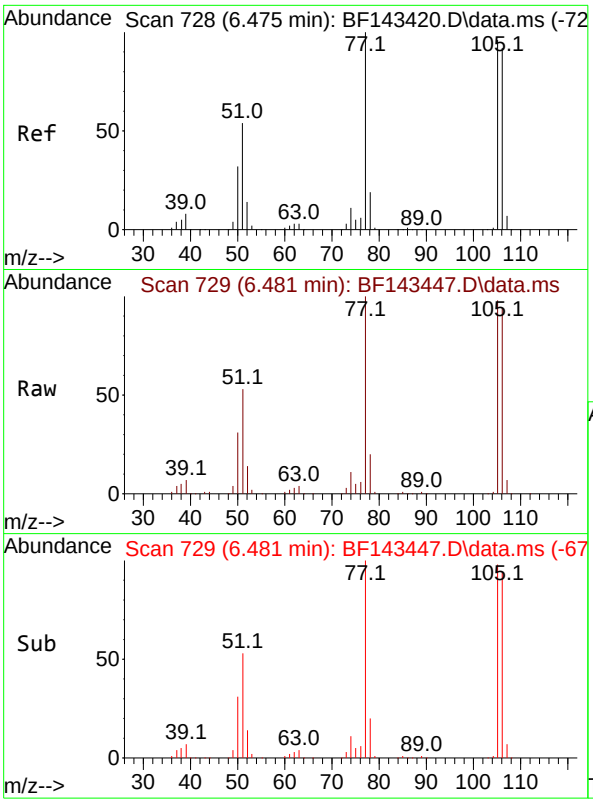


#8
2-Chlorophenol
Concen: 46.072 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:128 Resp: 386674

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.9	52.9
64	52.8	33.1	73.1



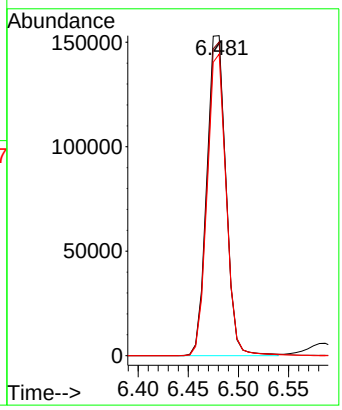


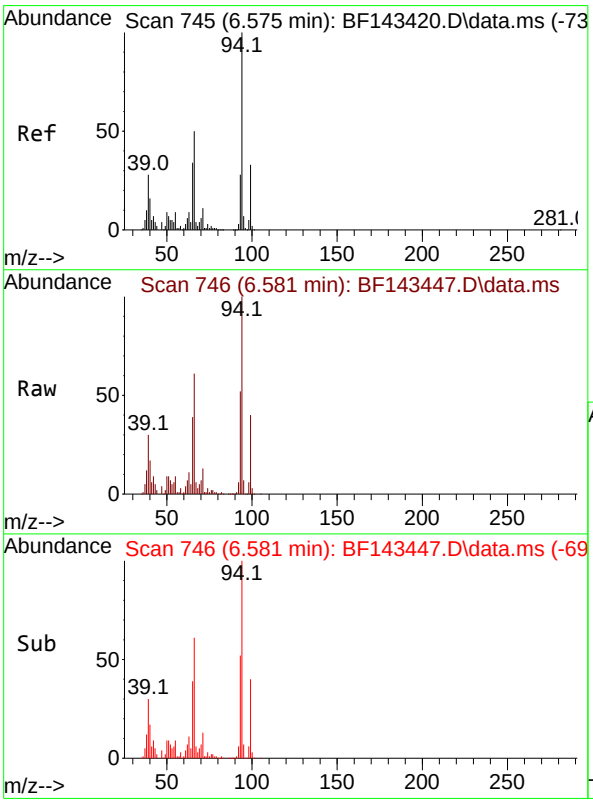
#9
Benzaldehyde
Concen: 39.925 ng
RT: 6.481 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion: 77 Resp: 203482

Ion	Ratio	Lower	Upper
77	100		
105	98.0	75.5	115.5
106	94.2	72.0	112.0

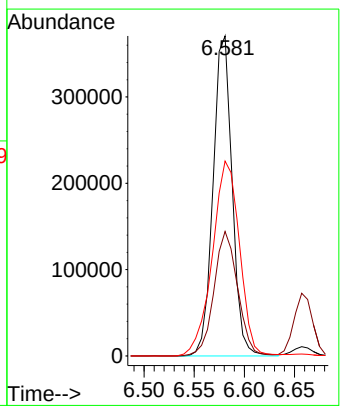


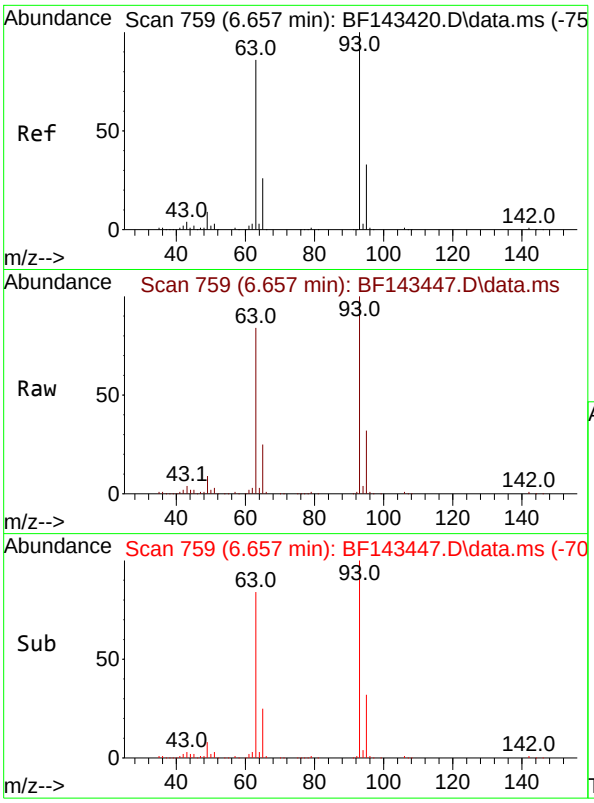


#10
Phenol
Concen: 43.837 ng
RT: 6.581 min Scan# 746
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion: 94 Resp: 490077

Ion	Ratio	Lower	Upper
94	100		
65	38.9	13.7	53.7
66	60.9	30.3	70.3



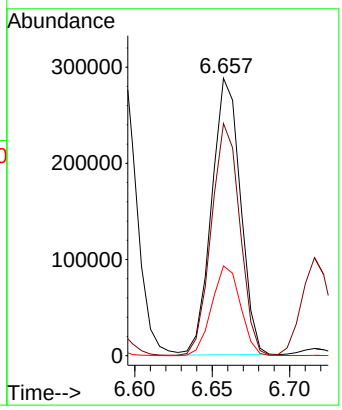


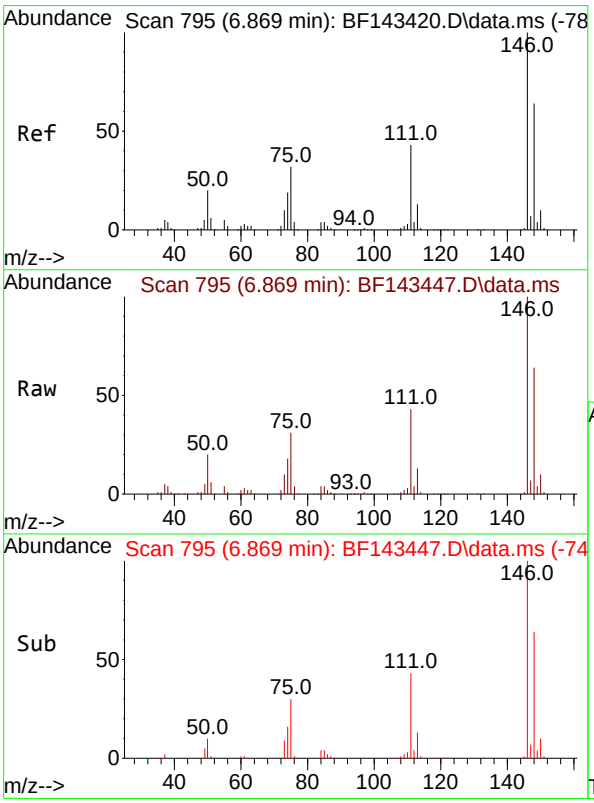
#11
bis(2-Chloroethyl)ether
Concen: 44.818 ng
RT: 6.657 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion: 93 Resp: 371401

Ion	Ratio	Lower	Upper
93	100		
63	83.7	65.4	105.4
95	32.4	12.8	52.8

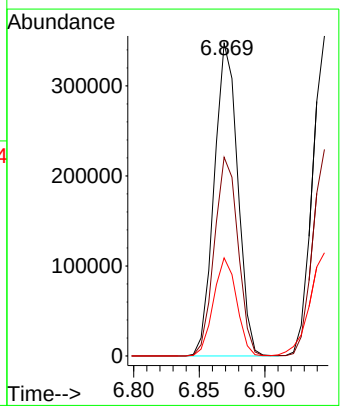


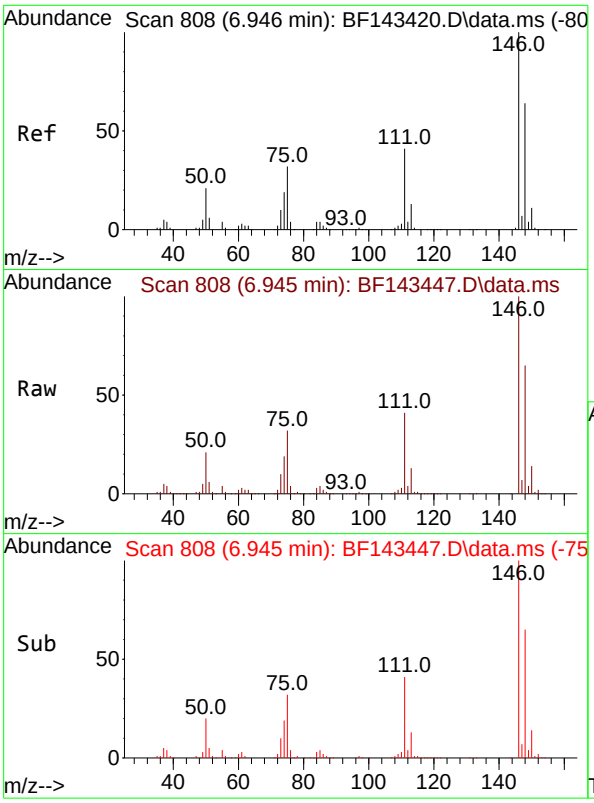


#12
1,3-Dichlorobenzene
Concen: 46.016 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:146 Resp: 432618

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.0	76.4
75	31.4	25.3	37.9



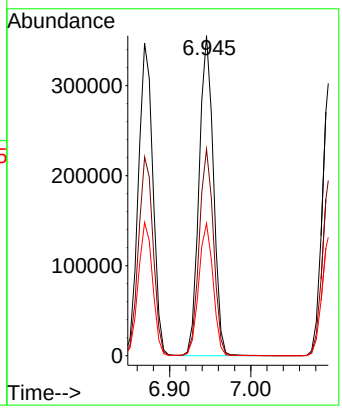


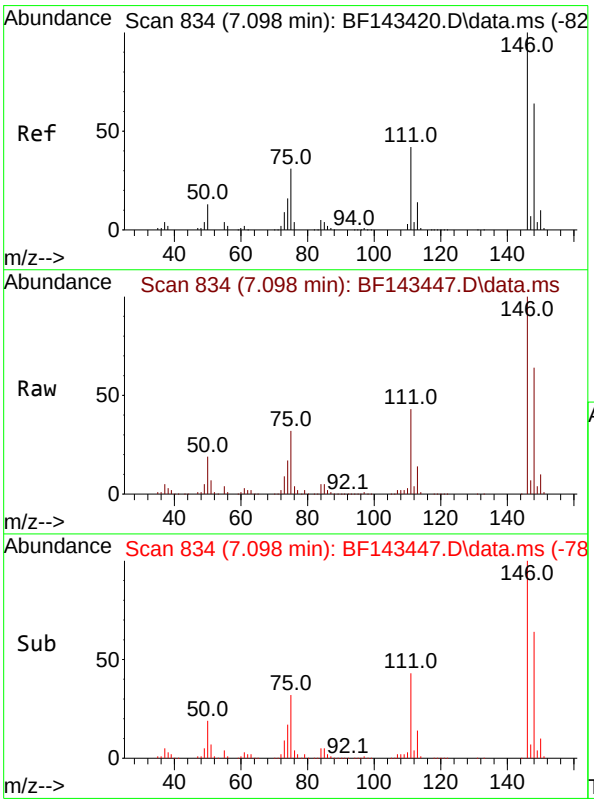
#13
1,4-Dichlorobenzene
Concen: 46.384 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:146 Resp: 435366

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.1	76.7
111	41.3	32.5	48.7

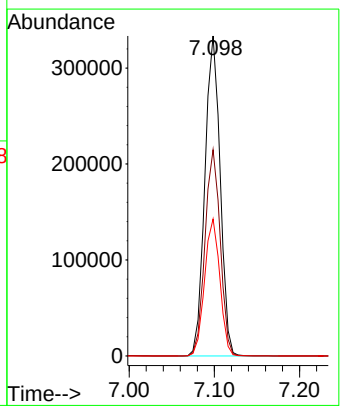


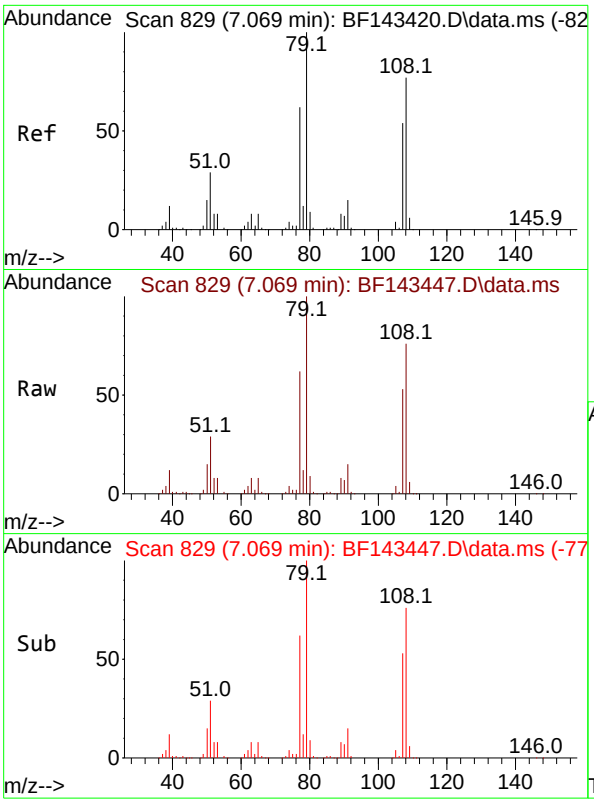


#14
1,2-Dichlorobenzene
Concen: 46.304 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:146 Resp: 415113

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.4	77.0
111	42.8	33.9	50.9



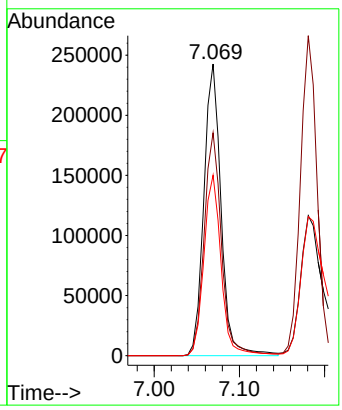


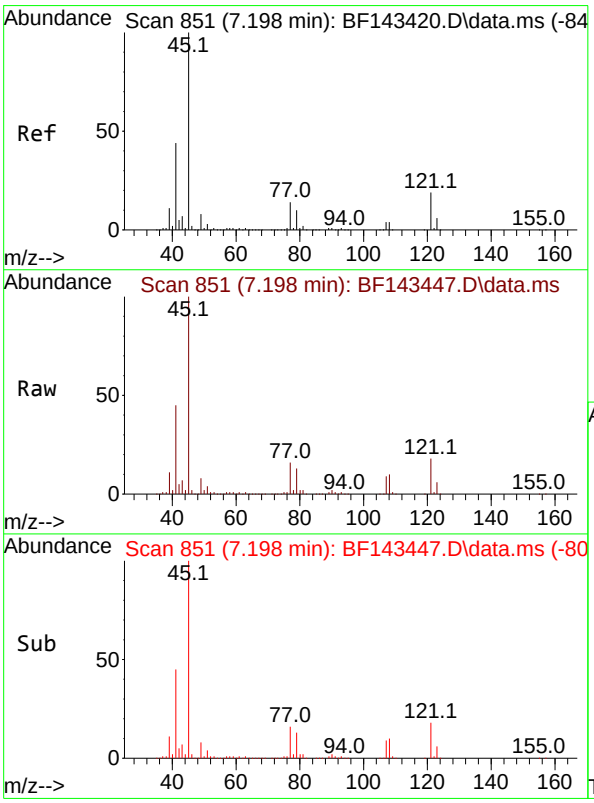
#15
Benzyl Alcohol
Concen: 48.214 ng
RT: 7.069 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion: 79 Resp: 340635

Ion	Ratio	Lower	Upper
79	100		
108	76.4	61.9	92.9
77	61.9	49.2	73.8

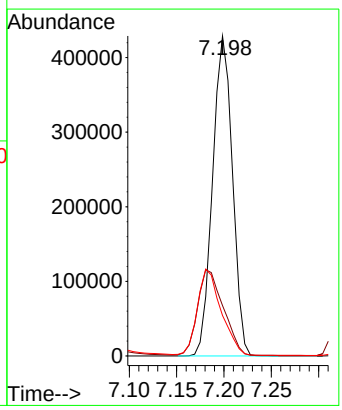


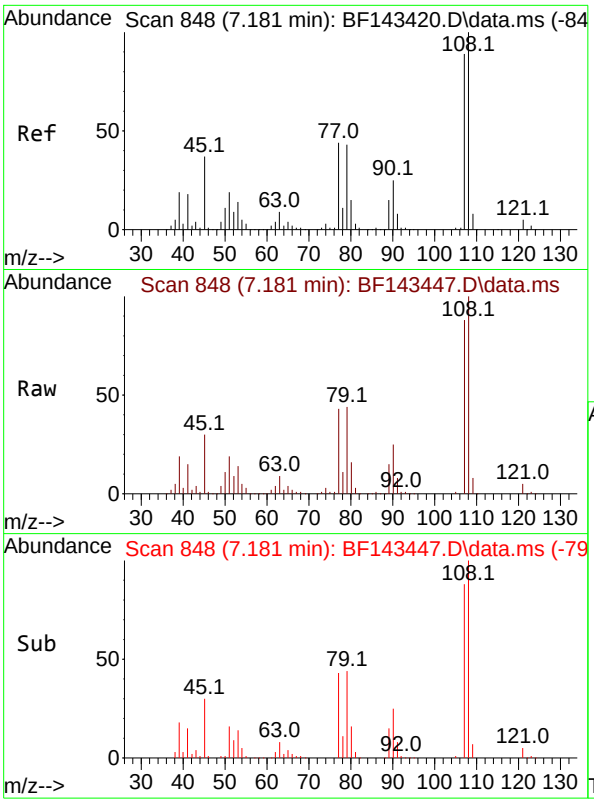


#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.229 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion: 45 Resp: 626587

Ion	Ratio	Lower	Upper
45	100		
77	15.8	0.0	33.9
79	12.7	0.0	30.7



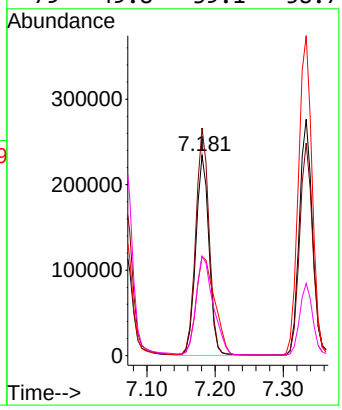


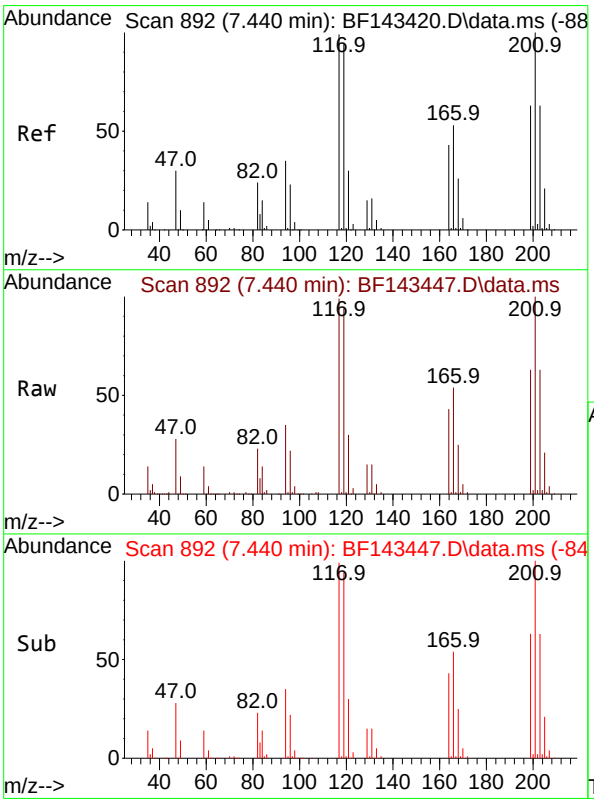
#17
2-Methylphenol
Concen: 46.253 ng
RT: 7.181 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:107 Resp: 316722

Ion	Ratio	Lower	Upper
107	100		
108	113.7	90.1	135.1
77	49.4	39.9	59.9
79	49.8	39.1	58.7

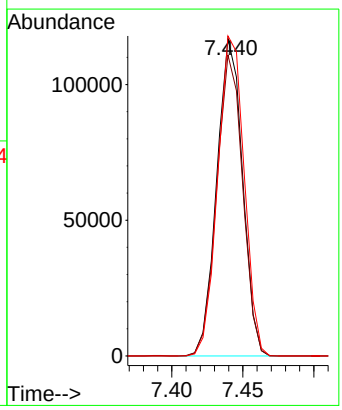


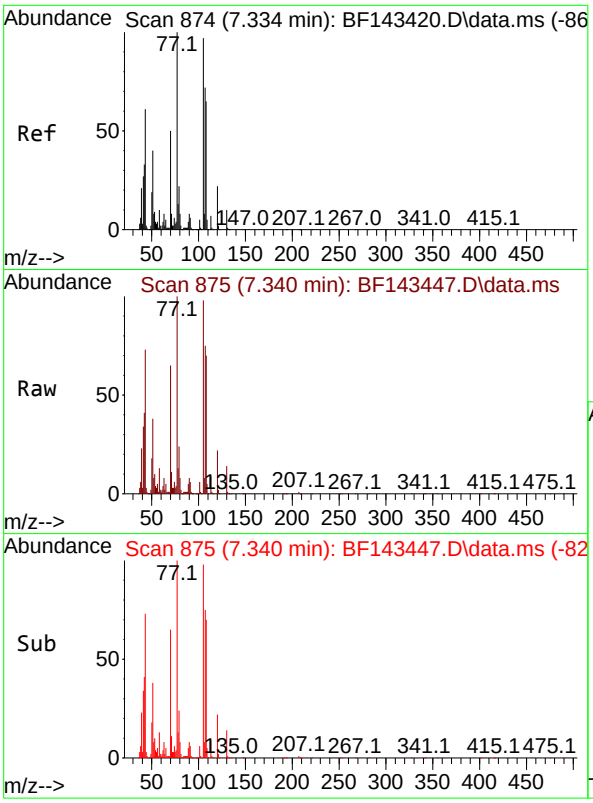


#18
Hexachloroethane
Concen: 46.150 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:117 Resp: 147442

Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.6	114.8
201	100.8	81.0	121.4



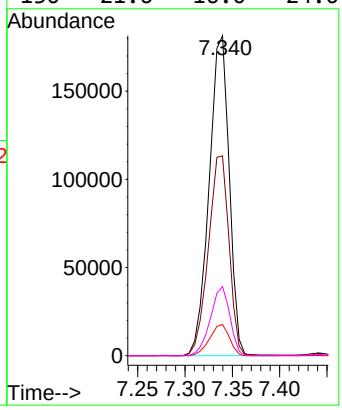


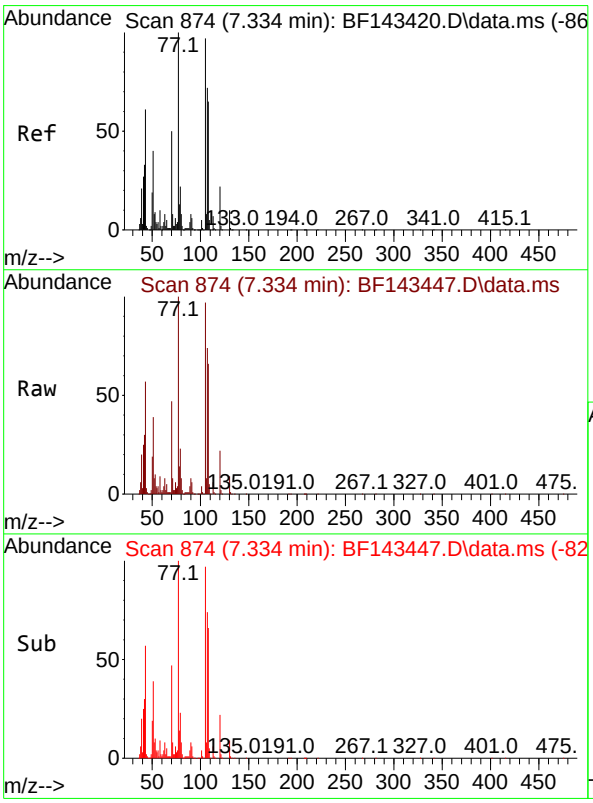
#19
n-Nitroso-di-n-propylamine
Concen: 45.167 ng
RT: 7.340 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion: 70 Resp: 267887

Ion	Ratio	Lower	Upper
70	100		
42	62.5	52.5	78.7
101	9.7	7.9	11.9
130	21.6	16.0	24.0

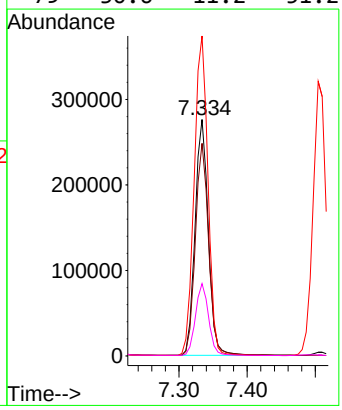


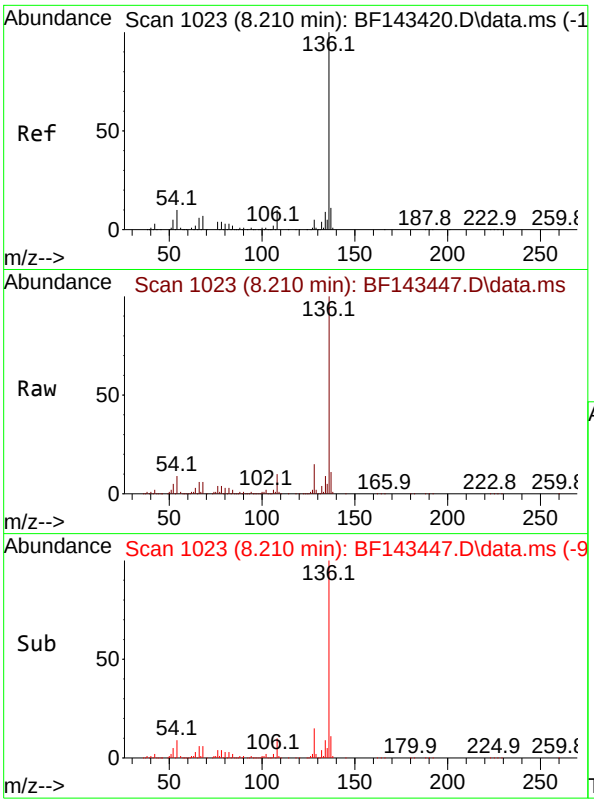


#20
3+4-Methylphenols
Concen: 45.436 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:107 Resp: 371941

Ion	Ratio	Lower	Upper
107	100		
108	89.9	70.8	110.8
77	135.3	119.1	159.1
79	30.6	11.2	51.2



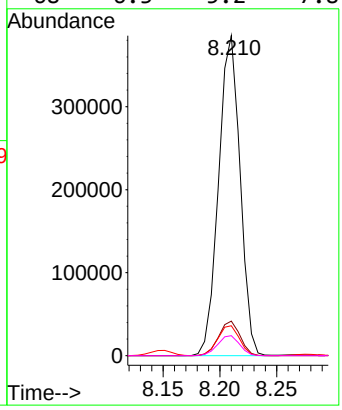


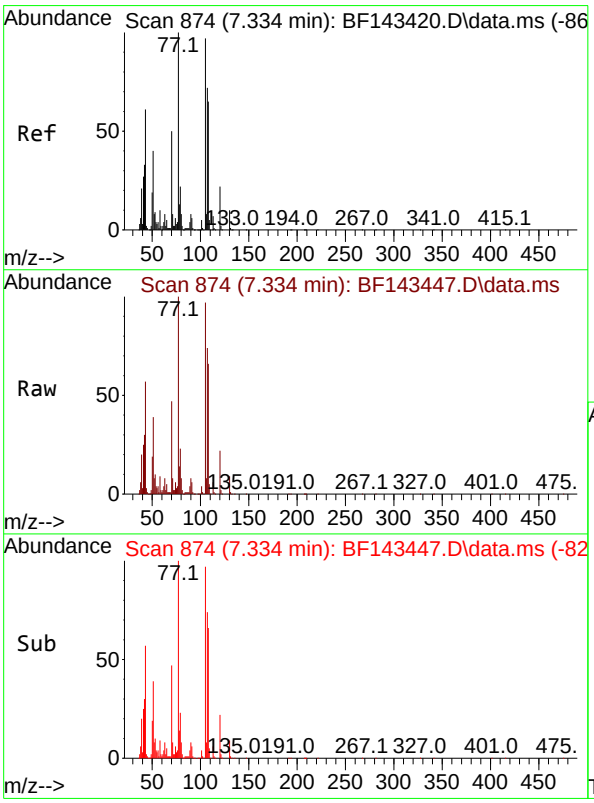
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:136 Resp: 508774

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	9.4	7.8	11.8
68	6.3	5.2	7.8

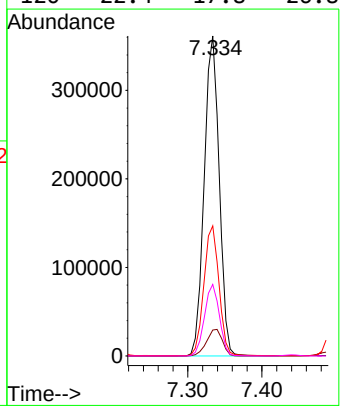


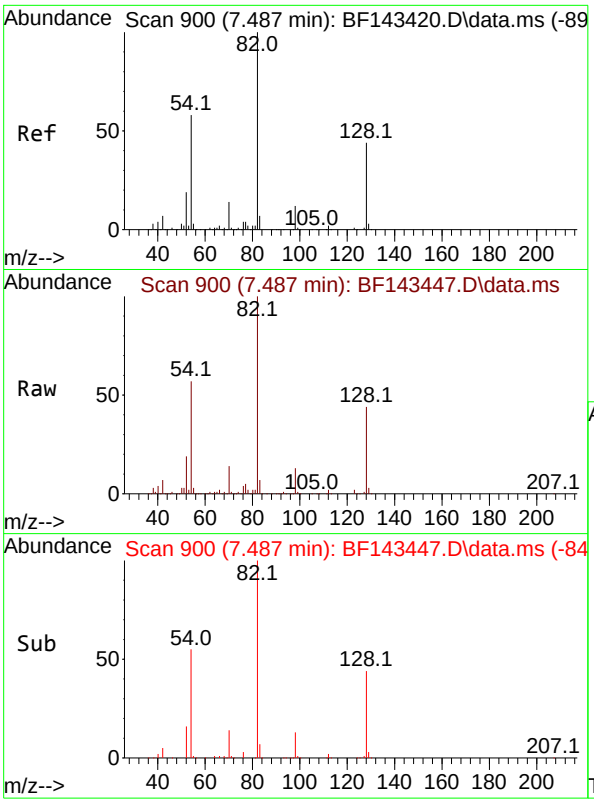


#22
Acetophenone
Concen: 46.634 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:105 Resp: 510127

Ion	Ratio	Lower	Upper
105	100		
71	8.1	7.0	10.4
51	40.7	32.7	49.1
120	22.4	17.8	26.8



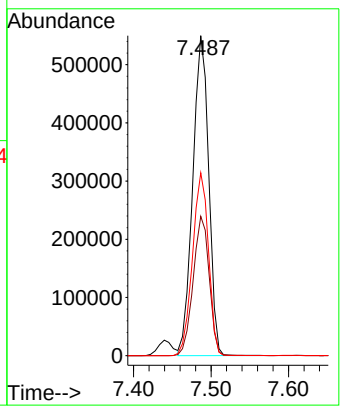


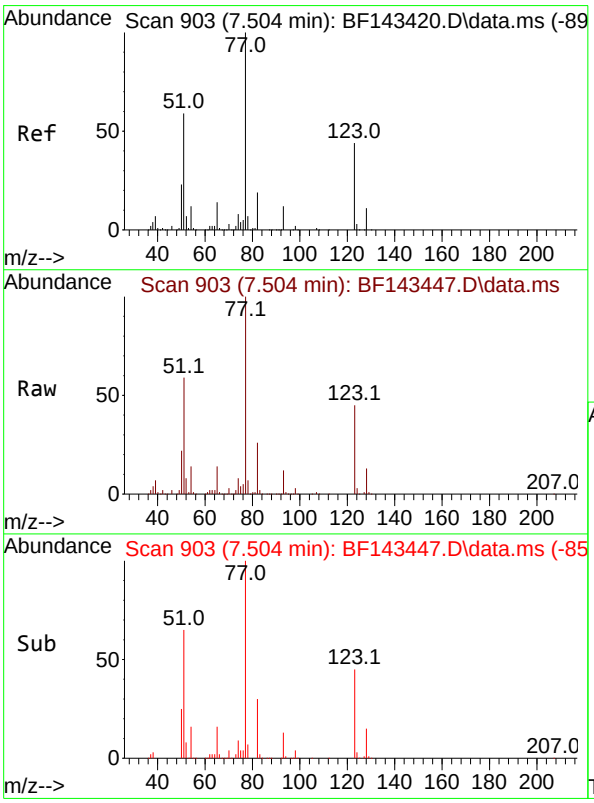
#23
Nitrobenzene-d5
Concen: 91.388 ng
RT: 7.487 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion: 82 Resp: 783562

Ion	Ratio	Lower	Upper
82	100		
128	43.6	34.6	52.0
54	57.1	46.0	69.0

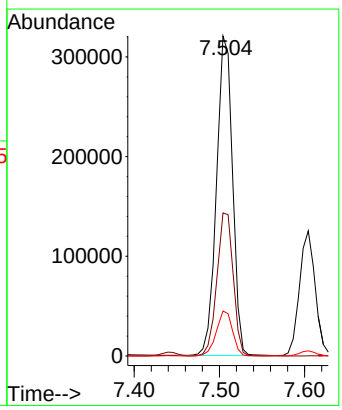


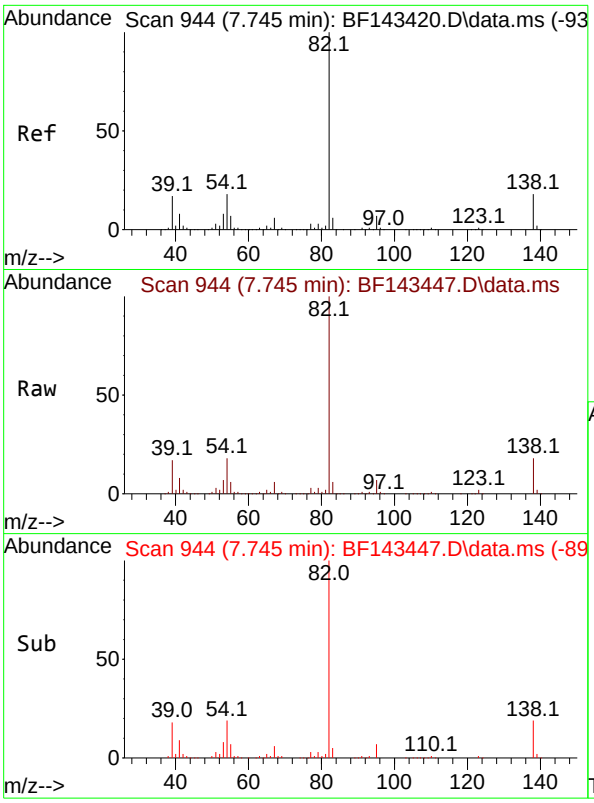


#24
Nitrobenzene
Concen: 46.792 ng
RT: 7.504 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion: 77 Resp: 419310

Ion	Ratio	Lower	Upper
77	100		
123	44.7	35.4	53.0
65	14.0	11.2	16.8



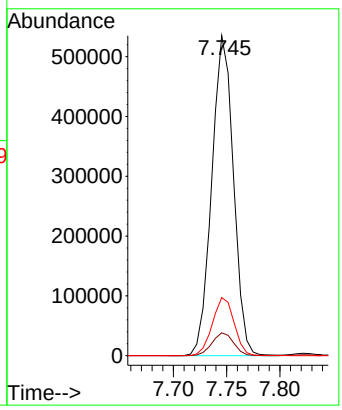


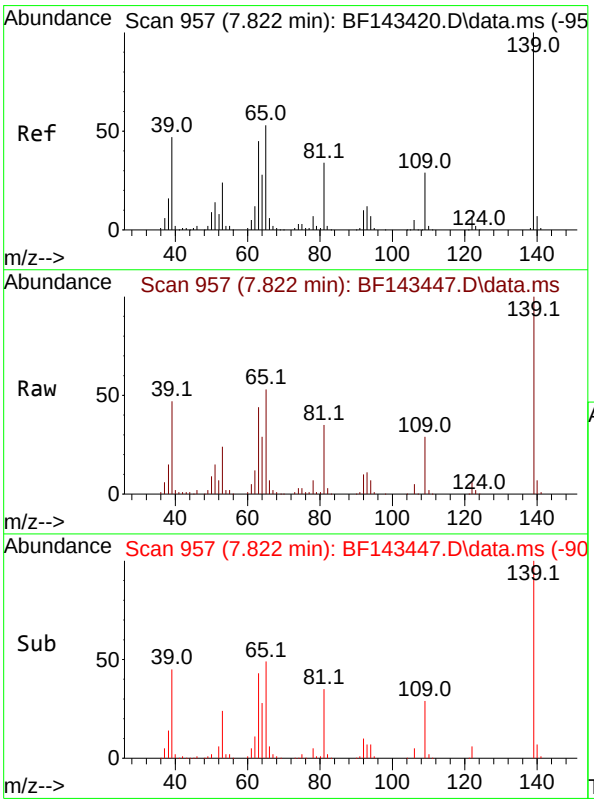
#25
Isophorone
Concen: 46.178 ng
RT: 7.745 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion: 82 Resp: 757780

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.6	8.4
138	18.1	14.3	21.5

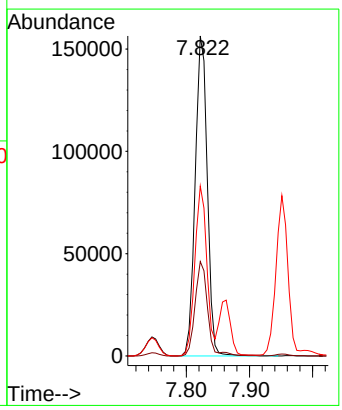


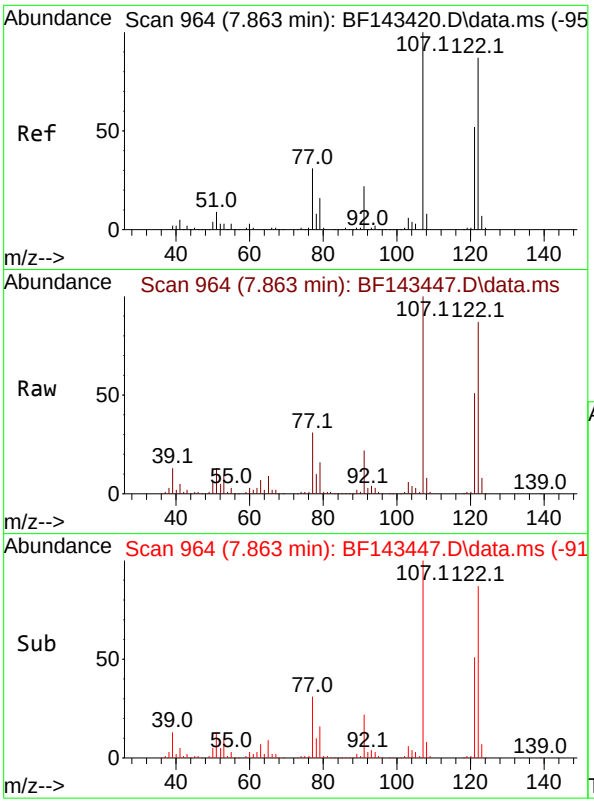


#26
2-Nitrophenol
Concen: 50.152 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:139 Resp: 208342

Ion	Ratio	Lower	Upper
139	100		
109	29.5	23.0	34.4
65	53.1	42.5	63.7



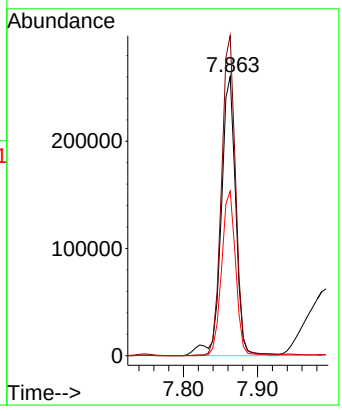


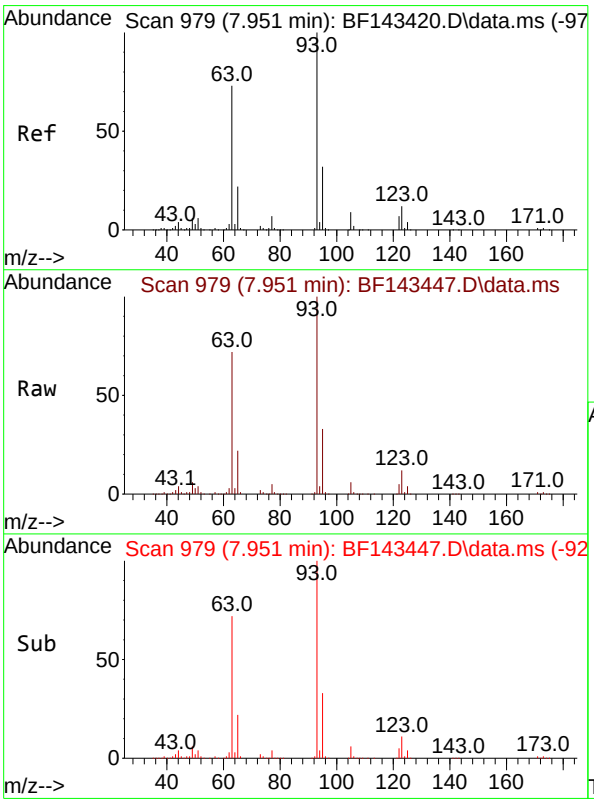
#27
2,4-Dimethylphenol
Concen: 50.744 ng
RT: 7.863 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:122 Resp: 356418

Ion	Ratio	Lower	Upper
122	100		
107	114.6	90.4	135.6
121	58.9	46.7	70.1

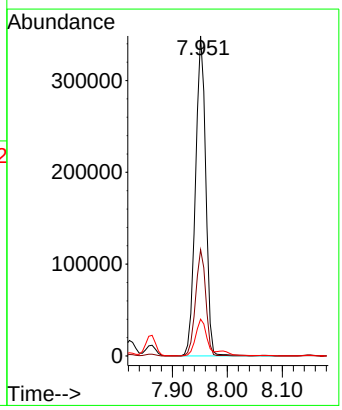


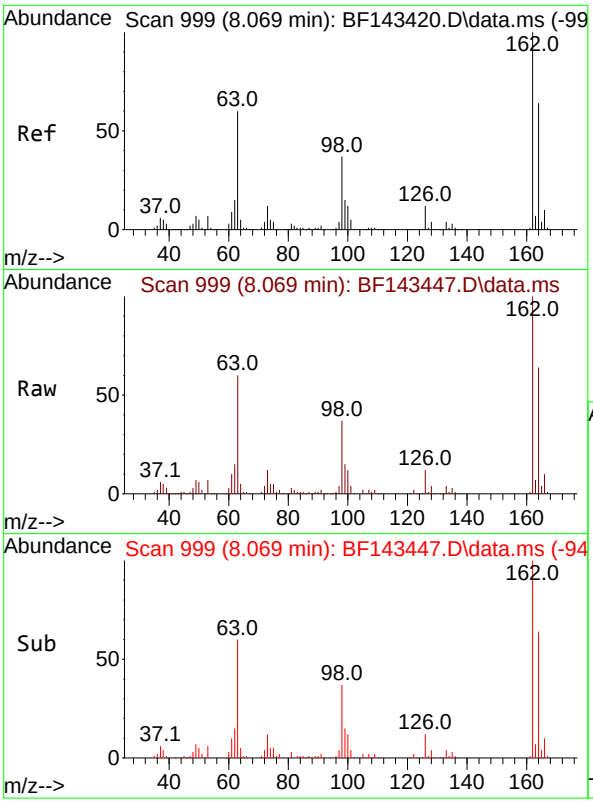


#28
bis(2-Chloroethoxy)methane
Concen: 44.989 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion: 93 Resp: 453785

Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.0	39.0
123	11.5	9.5	14.3



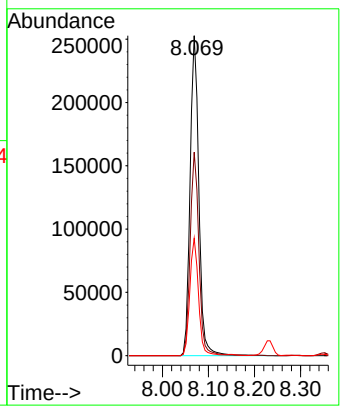


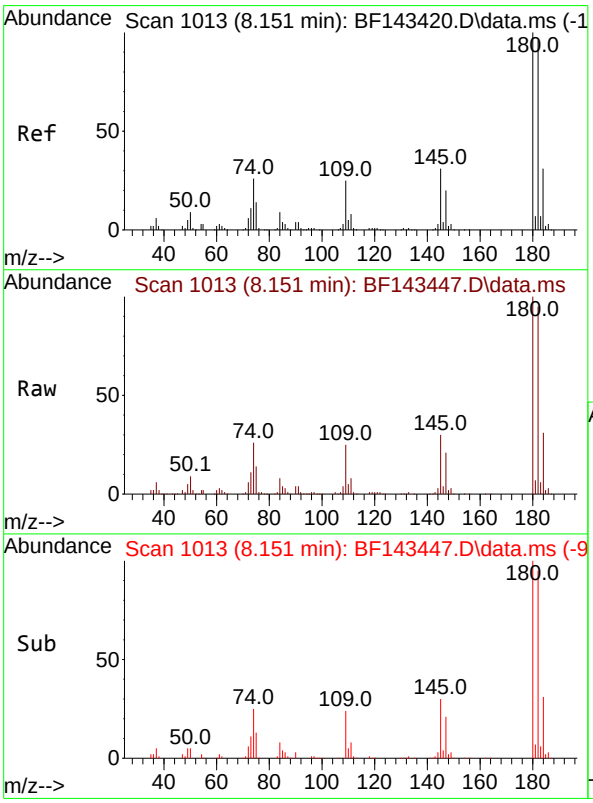
#29
2,4-Dichlorophenol
Concen: 46.509 ng
RT: 8.069 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:162 Resp: 333011

Ion	Ratio	Lower	Upper
162	100		
164	63.6	44.3	84.3
98	36.7	16.9	56.9

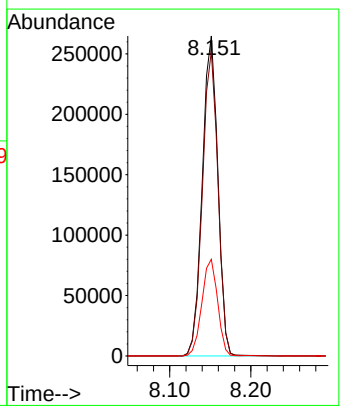


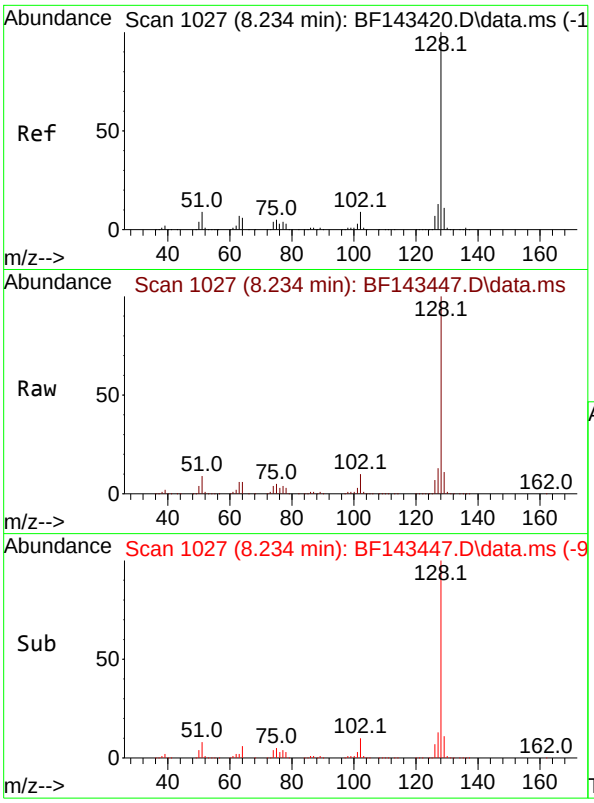


#30
1,2,4-Trichlorobenzene
Concen: 47.968 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:180 Resp: 351909

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.7	115.1
145	30.2	24.5	36.7



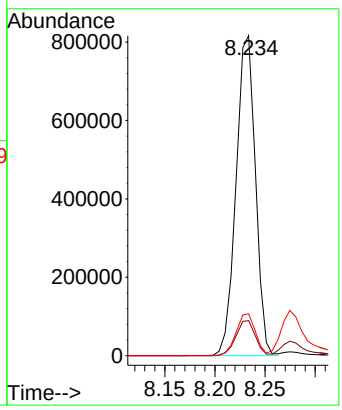


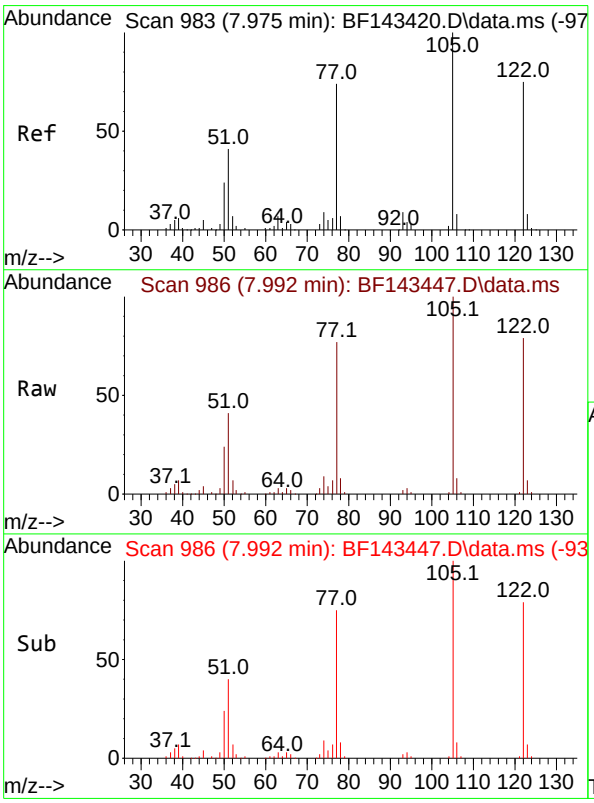
#31
Naphthalene
Concen: 45.546 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:128 Resp: 1100133

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	13.1	10.6	16.0

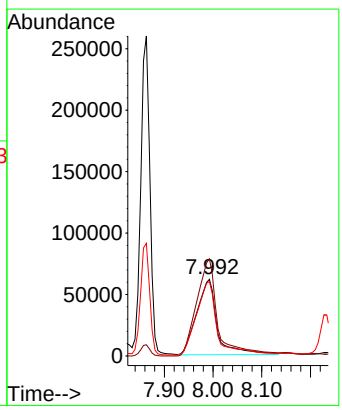


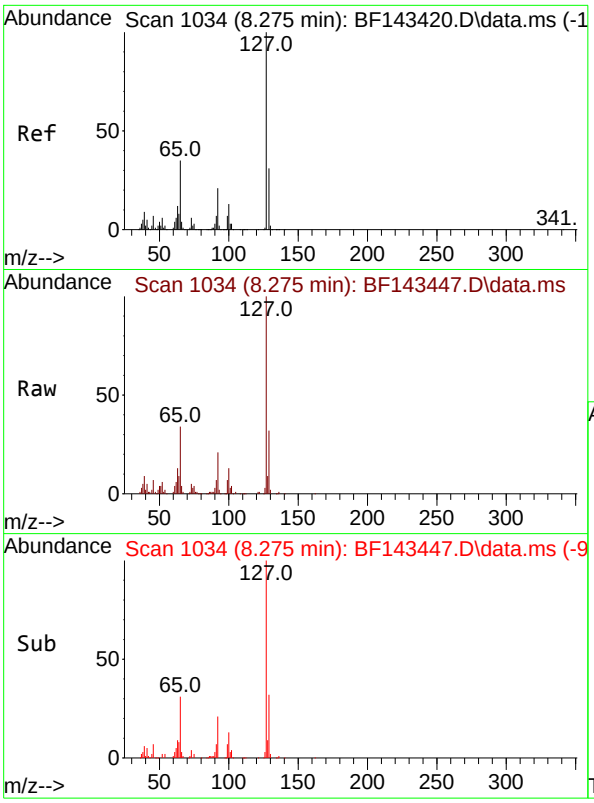


#32
Benzoic acid
Concen: 49.805 ng
RT: 7.992 min Scan# 986
Delta R.T. 0.017 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:122 Resp: 181934

Ion	Ratio	Lower	Upper
122	100		
105	126.7	108.4	148.4
77	97.2	75.9	115.9



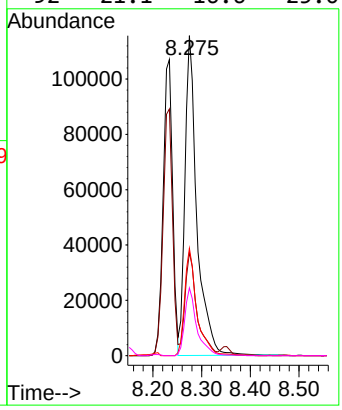


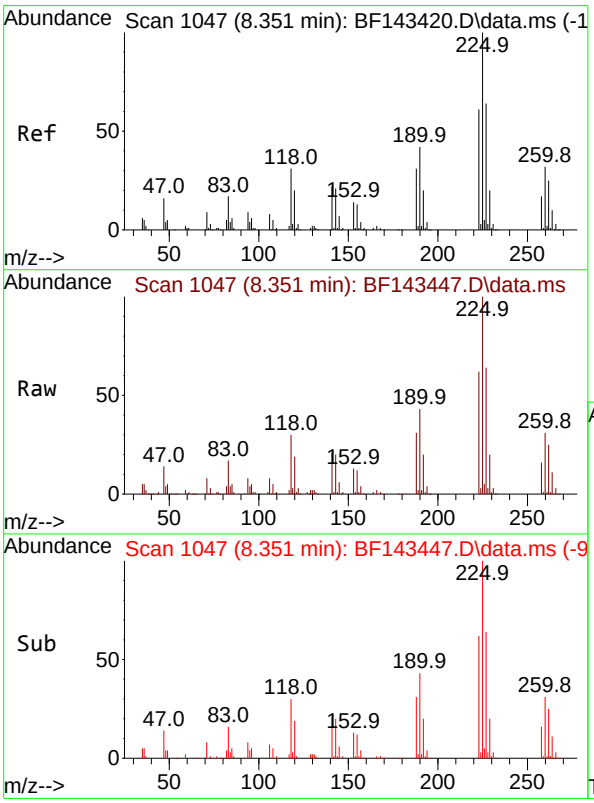
#33
4-Chloroaniline
Concen: 22.595 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:127 Resp: 196996

Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.8	38.8
65	33.5	27.2	40.8
92	21.1	16.6	25.0

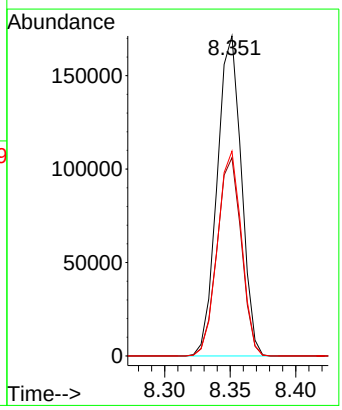


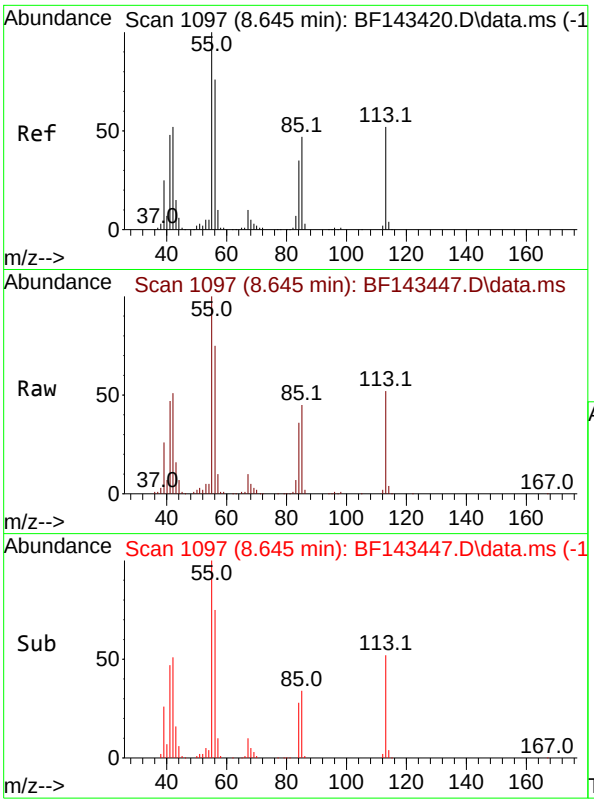


#34
Hexachlorobutadiene
Concen: 46.906 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:225 Resp: 219438

Ion	Ratio	Lower	Upper
225	100		
223	62.0	49.0	73.6
227	64.0	51.1	76.7



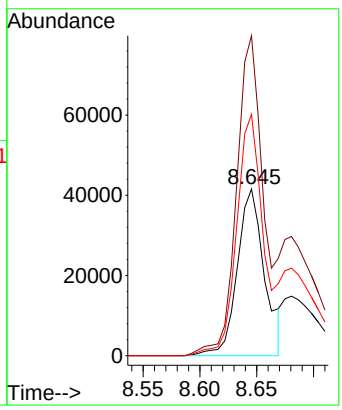


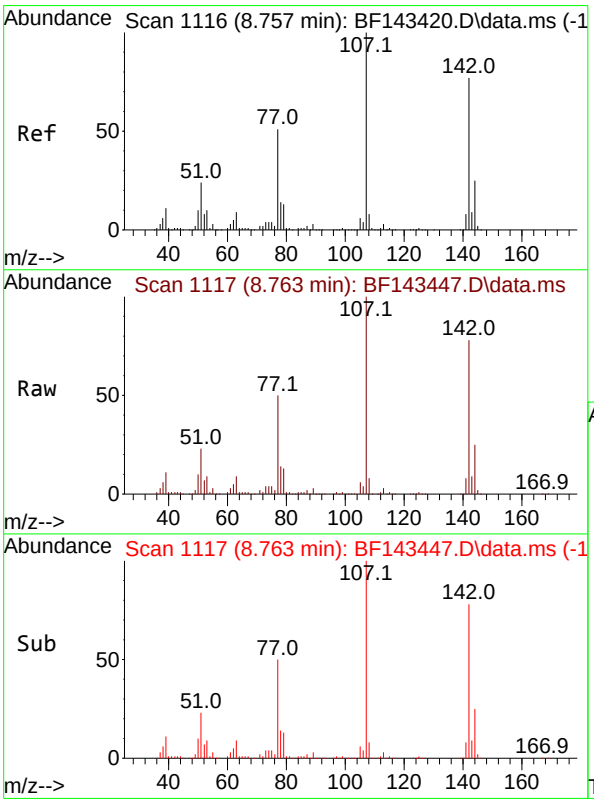
#35
Caprolactam
Concen: 33.435 ng
RT: 8.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:113 Resp: 68924

Ion	Ratio	Lower	Upper
113	100		
55	192.0	174.7	214.7
56	144.8	127.0	167.0

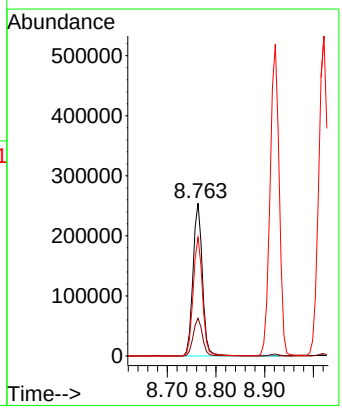


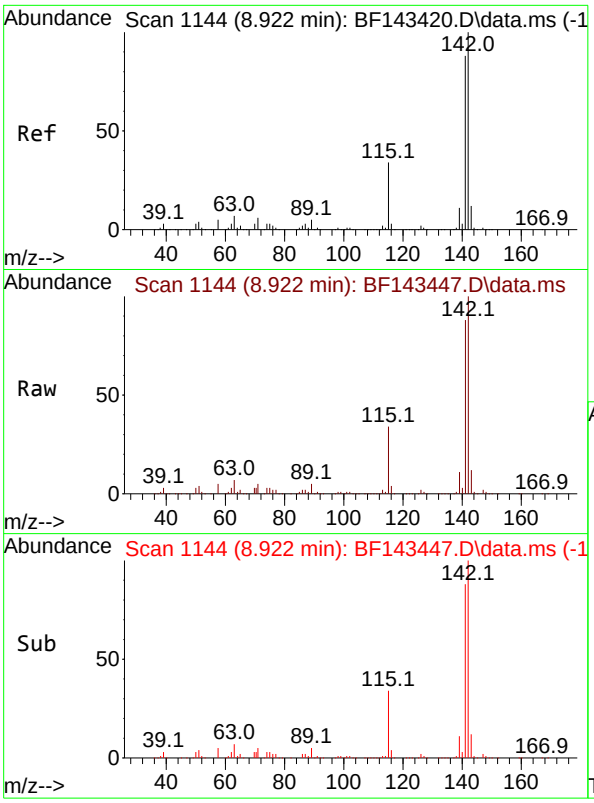


#36
4-Chloro-3-methylphenol
Concen: 46.572 ng
RT: 8.763 min Scan# 1117
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:107 Resp: 343428

Ion	Ratio	Lower	Upper
107	100		
144	24.7	20.2	30.2
142	77.6	62.0	93.0



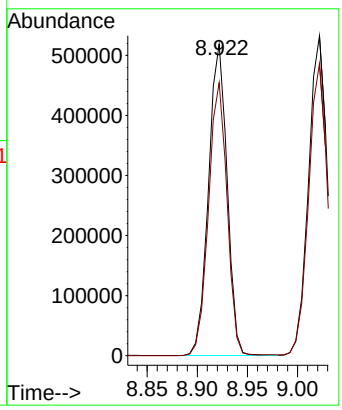


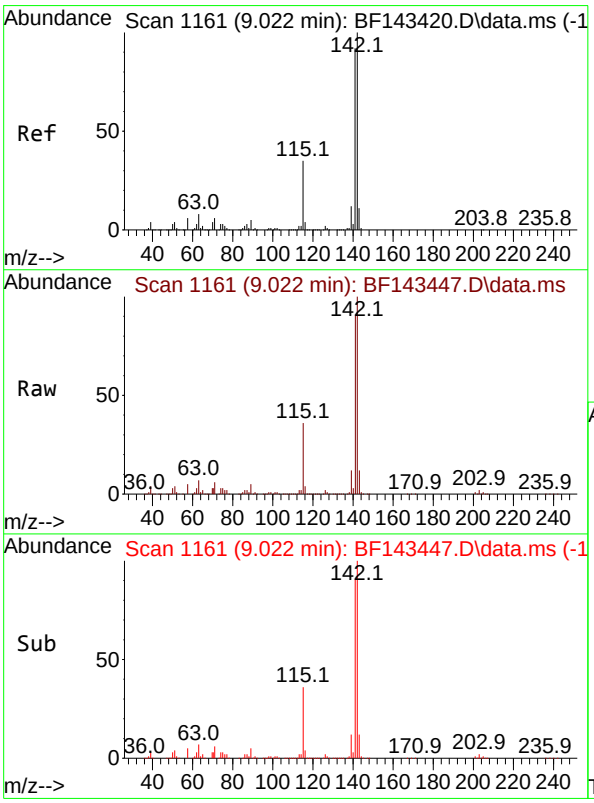
#37
2-Methylnaphthalene
Concen: 41.144 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:142 Resp: 669878

Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.3	105.5

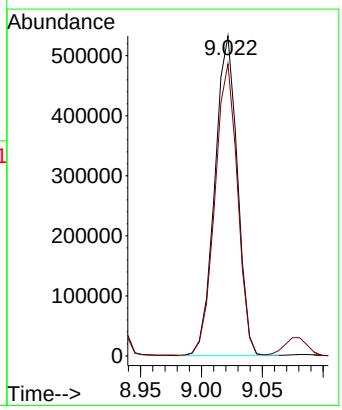


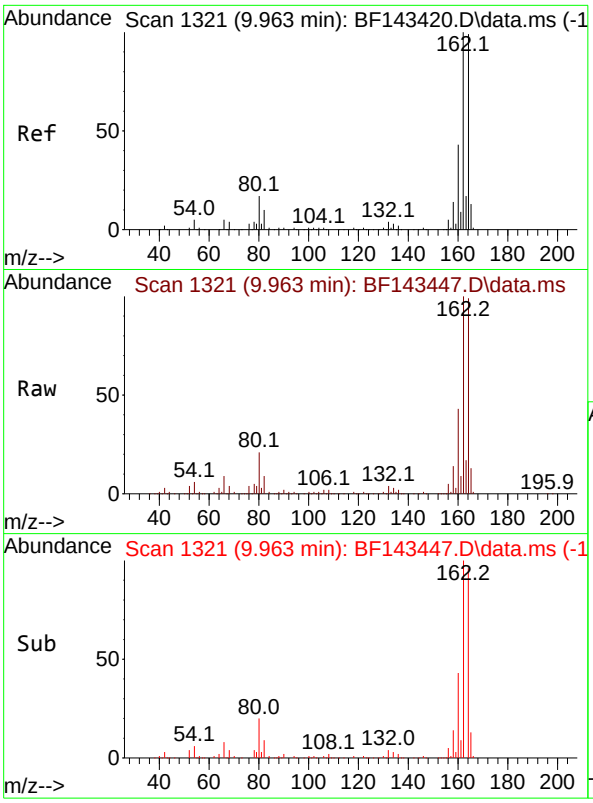


#38
1-Methylnaphthalene
Concen: 44.074 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:142 Resp: 687519

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.8	110.6



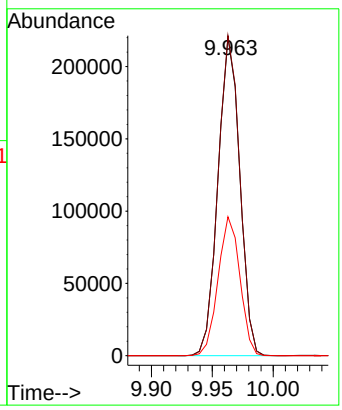


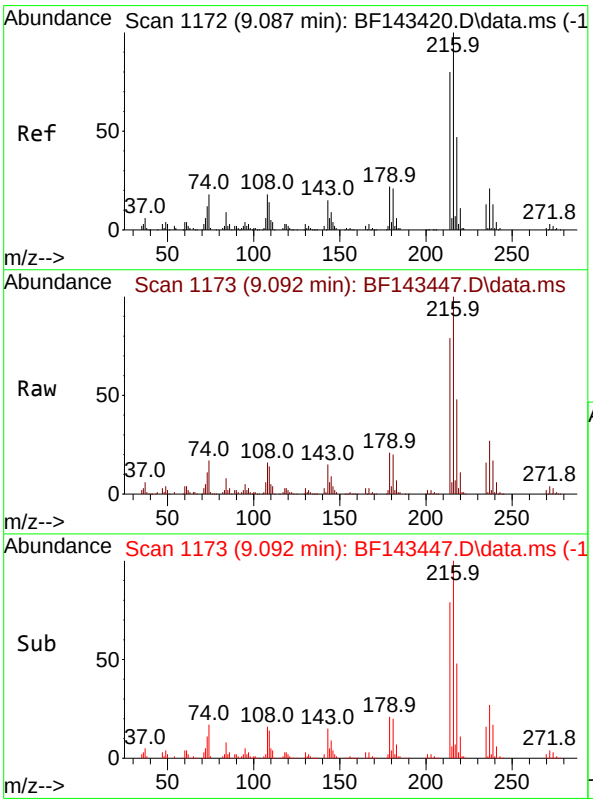
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:164 Resp: 275188

Ion	Ratio	Lower	Upper
164	100		
162	100.6	80.6	121.0
160	43.7	34.6	51.8

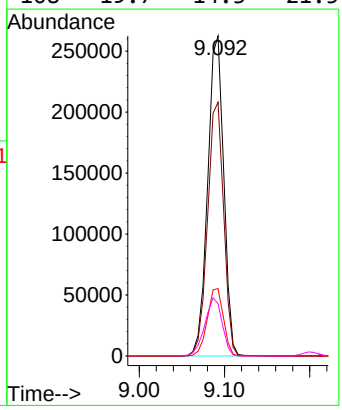


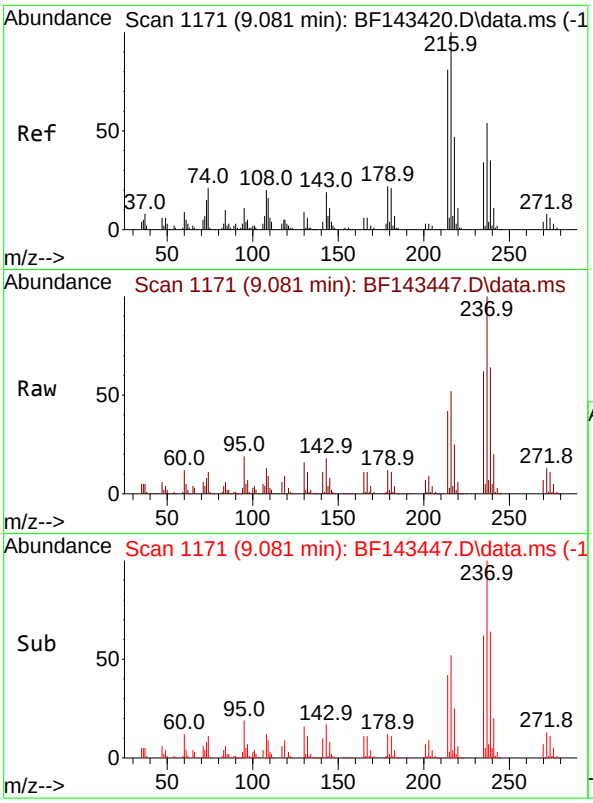


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.719 ng
RT: 9.092 min Scan# 1173
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:216 Resp: 343203

Ion	Ratio	Lower	Upper
216	100		
214	79.4	63.7	95.5
179	21.2	17.0	25.4
108	19.7	14.3	21.5



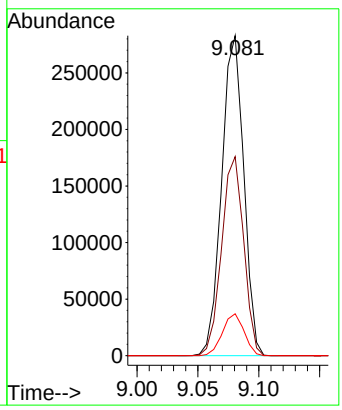


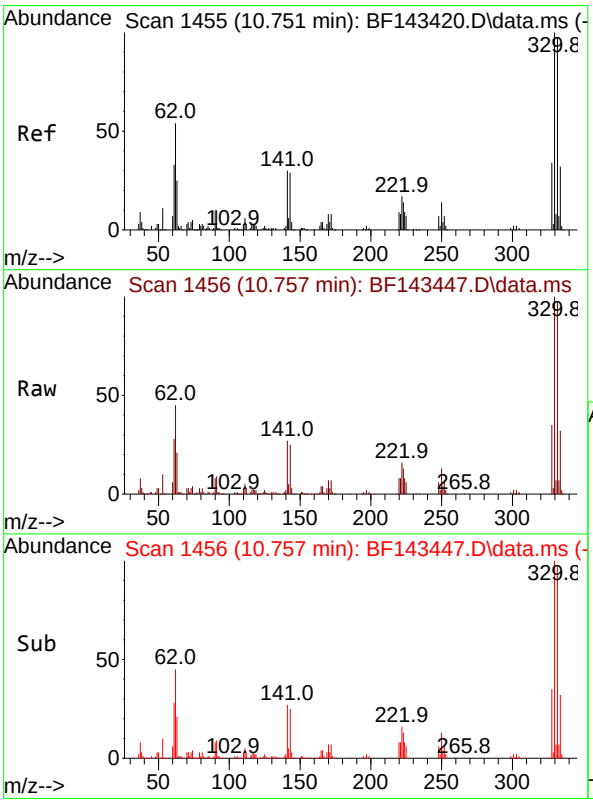
#41
Hexachlorocyclopentadiene
Concen: 123.490 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:237 Resp: 356578

Ion	Ratio	Lower	Upper
237	100		
235	62.2	41.6	81.6
272	13.1	0.0	33.8

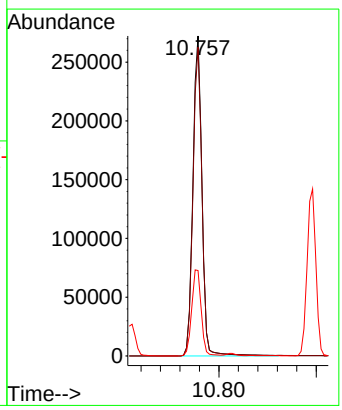


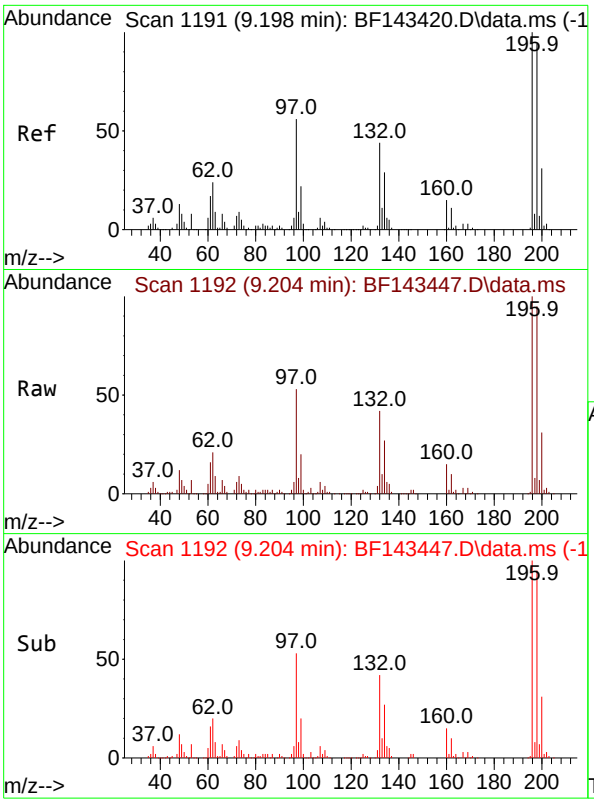


#42
2,4,6-Tribromophenol
Concen: 144.259 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:330 Resp: 353346

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.4	116.2
141	28.3	24.1	36.1



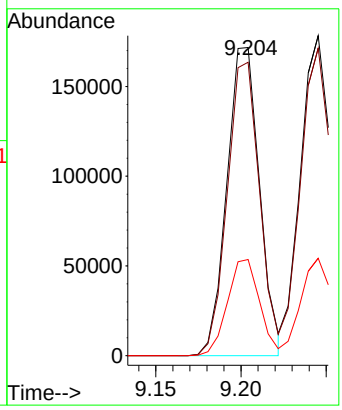


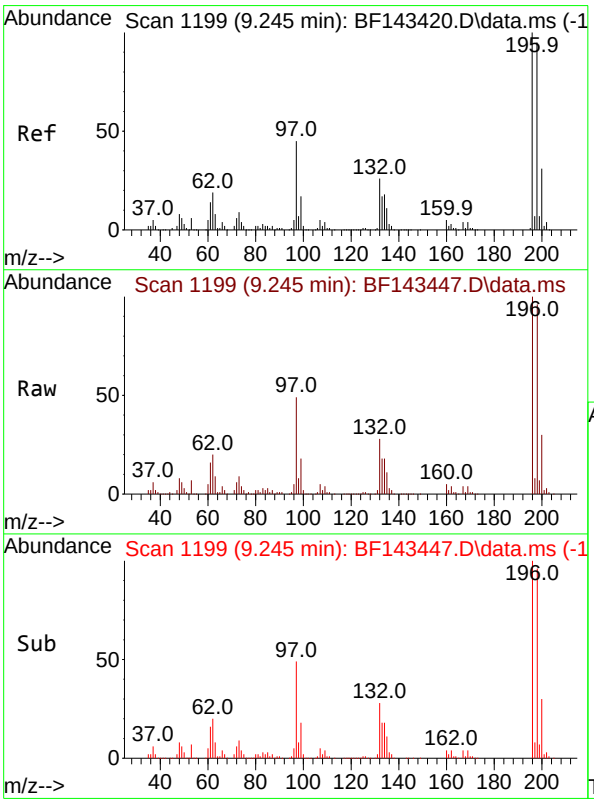
#43
2,4,6-Trichlorophenol
Concen: 47.798 ng
RT: 9.204 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:196 Resp: 228830

Ion	Ratio	Lower	Upper
196	100		
198	95.2	75.4	113.2
200	31.2	24.7	37.1

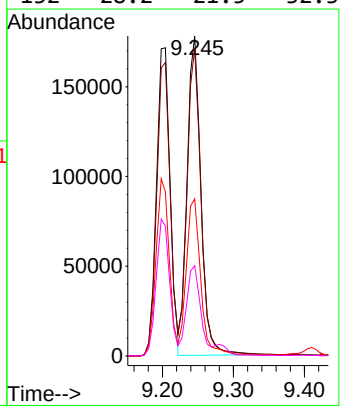


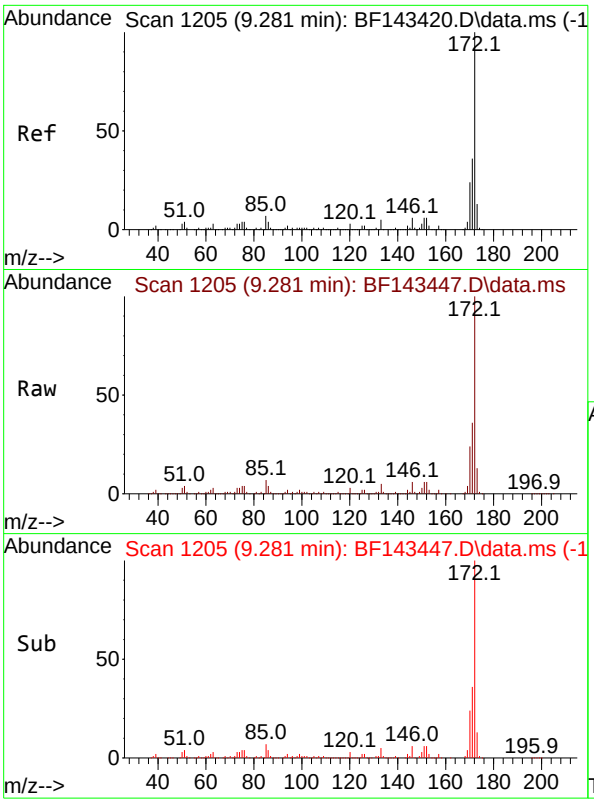


#44
2,4,5-Trichlorophenol
Concen: 47.270 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:196 Resp: 242581

Ion	Ratio	Lower	Upper
196	100		
198	96.1	76.2	114.4
97	49.1	36.6	55.0
132	28.2	21.5	32.3



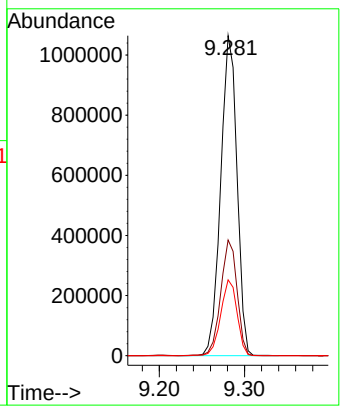


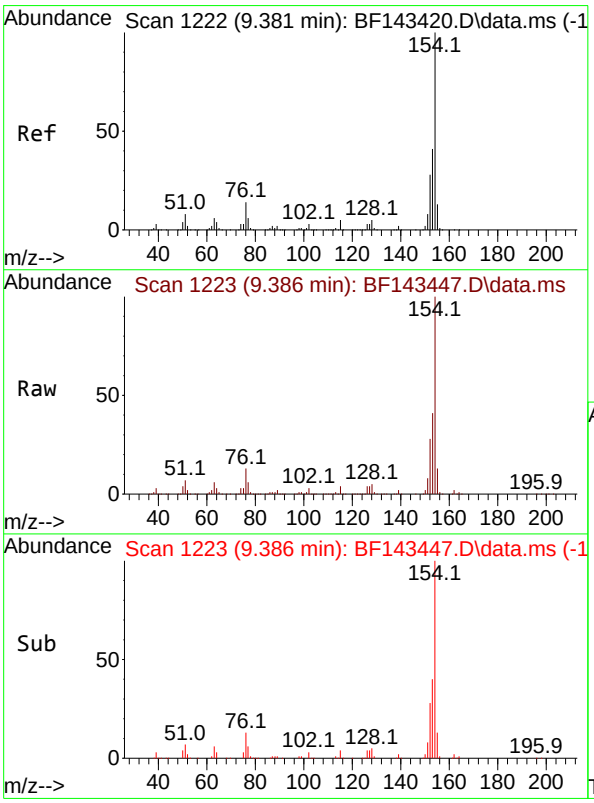
#45
2-Fluorobiphenyl
Concen: 86.649 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:172 Resp: 1417654

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.7	43.1
170	23.7	19.0	28.6

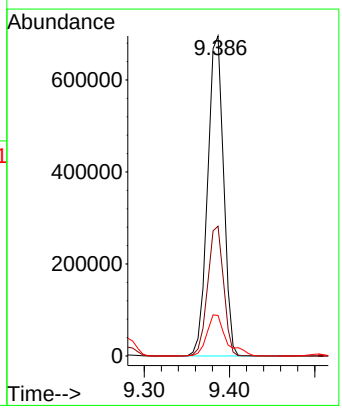


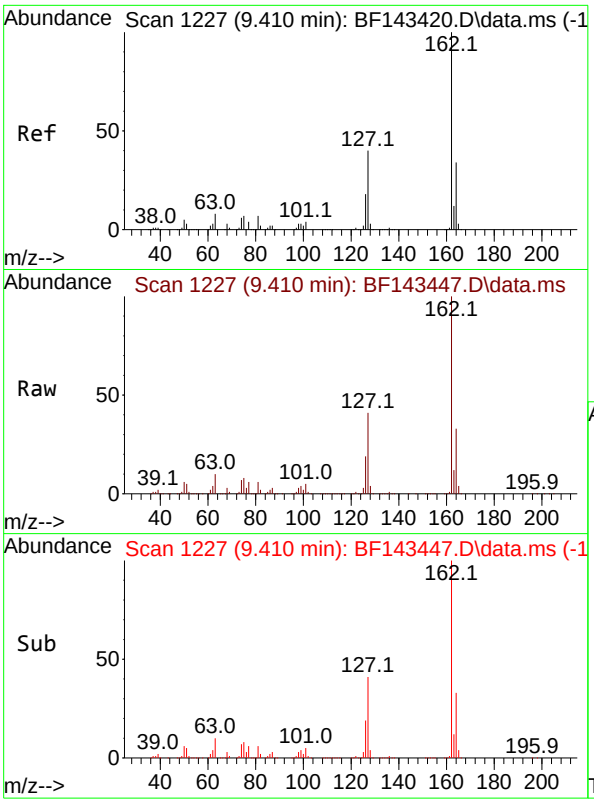


#46
1,1'-Biphenyl
Concen: 46.652 ng
RT: 9.386 min Scan# 1223
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:154 Resp: 902027

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.6	60.6
76	12.7	0.0	33.8



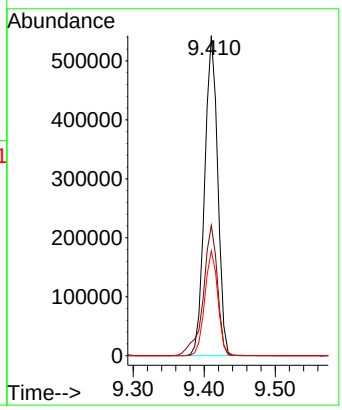


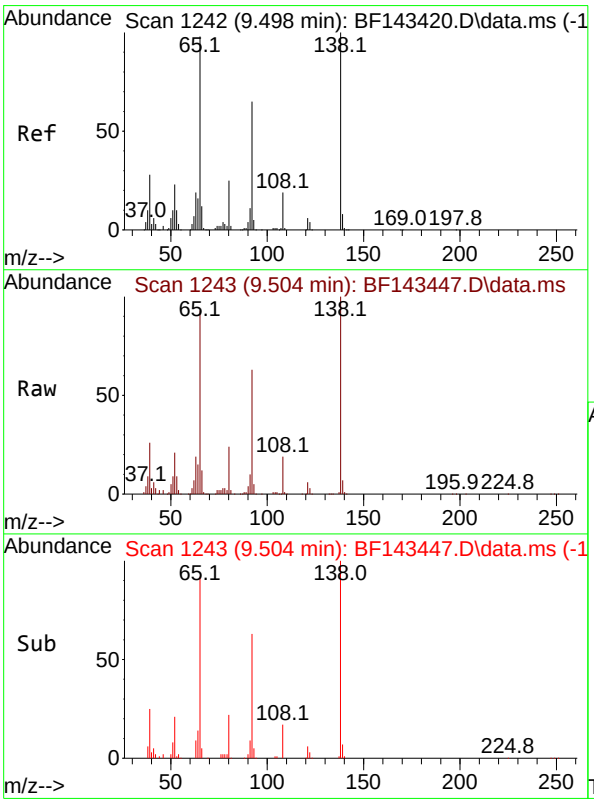
#47
2-Chloronaphthalene
Concen: 45.385 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:162 Resp: 692681

Ion	Ratio	Lower	Upper
162	100		
127	40.7	32.3	48.5
164	32.7	26.9	40.3

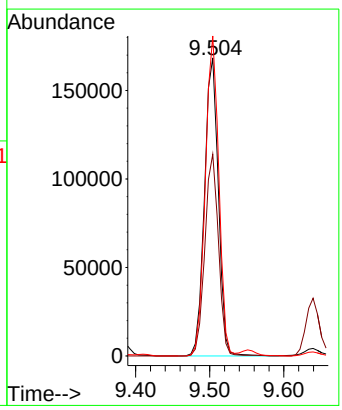


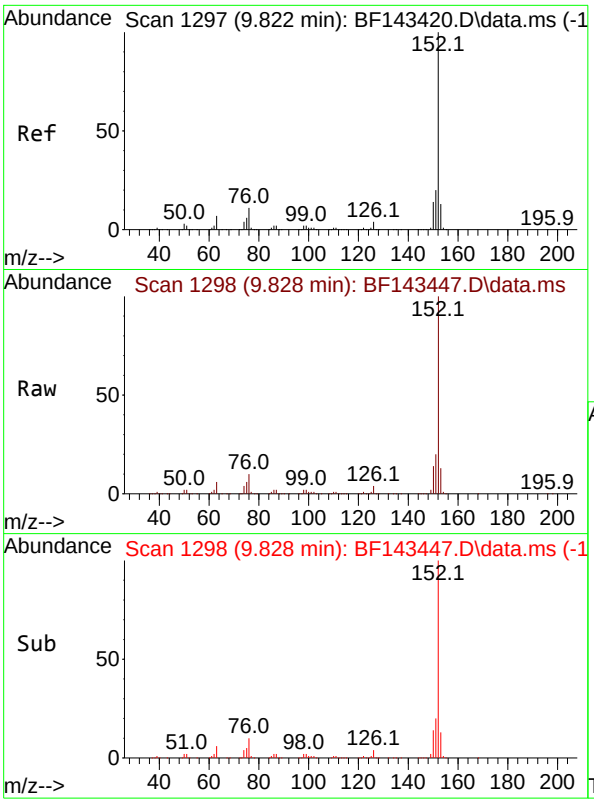


#48
2-Nitroaniline
Concen: 48.219 ng
RT: 9.504 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion: 65 Resp: 219009

Ion	Ratio	Lower	Upper
65	100		
92	67.7	52.9	79.3
138	107.3	81.3	121.9



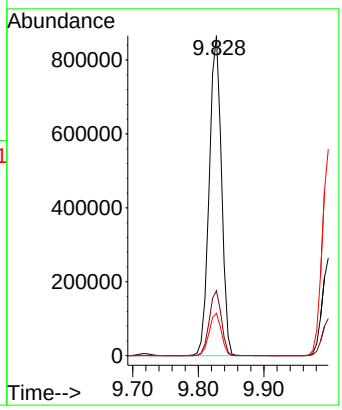


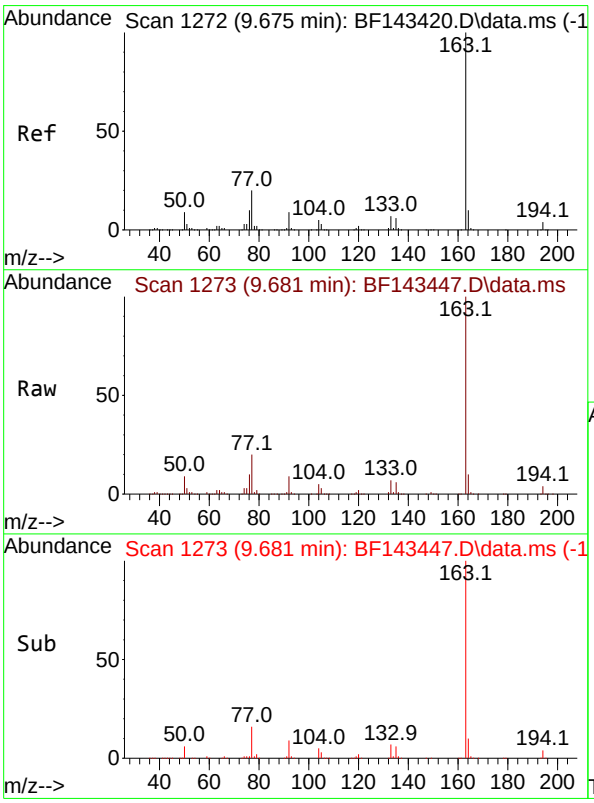
#49
Acenaphthylene
Concen: 50.903 ng
RT: 9.828 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:152 Resp: 1121721

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.0	24.0
153	13.2	10.8	16.2

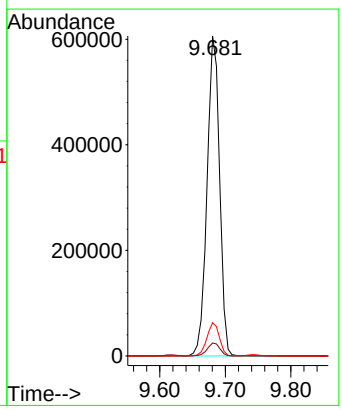


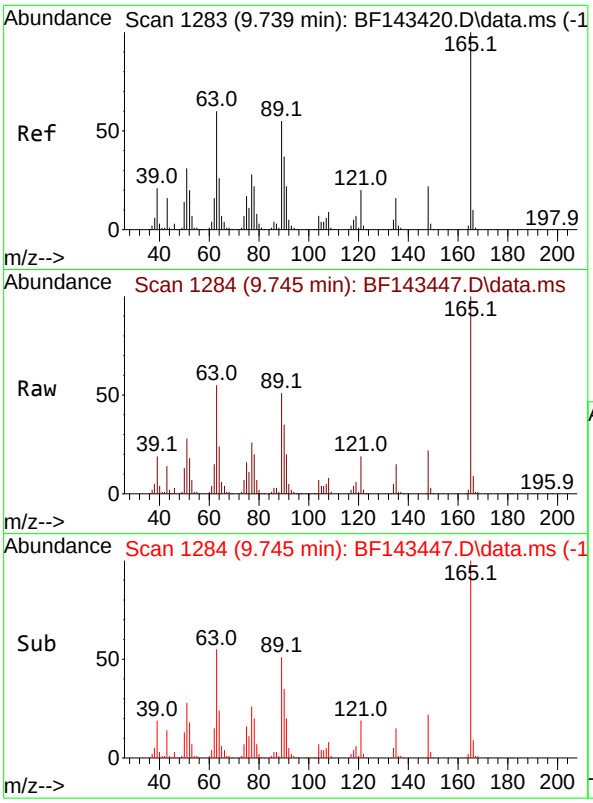


#50
Dimethylphthalate
Concen: 47.009 ng
RT: 9.681 min Scan# 1273
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:163 Resp: 806527

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.4	5.0
164	10.4	8.2	12.4



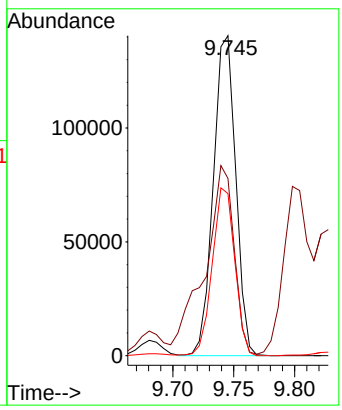


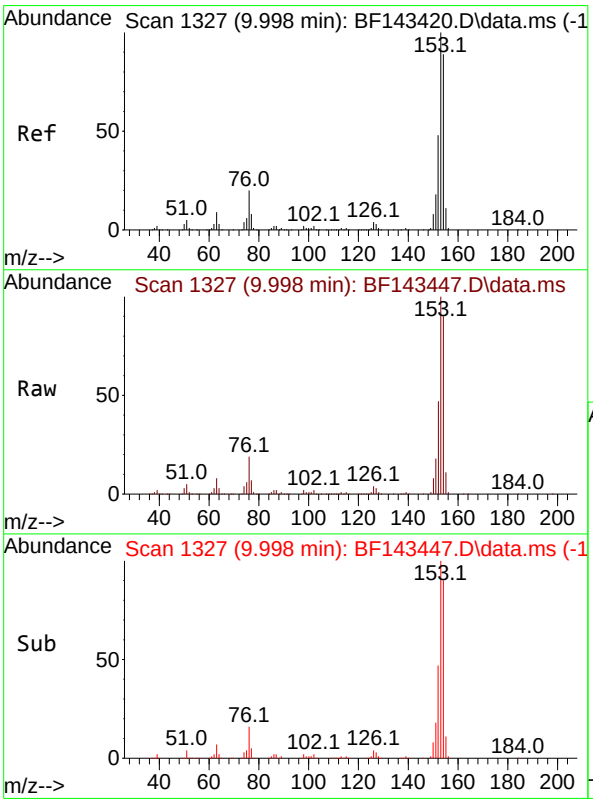
#51
2,6-Dinitrotoluene
Concen: 53.231 ng
RT: 9.745 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:165 Resp: 180033

Ion	Ratio	Lower	Upper
165	100		
63	55.4	48.2	72.2
89	50.6	44.2	66.2

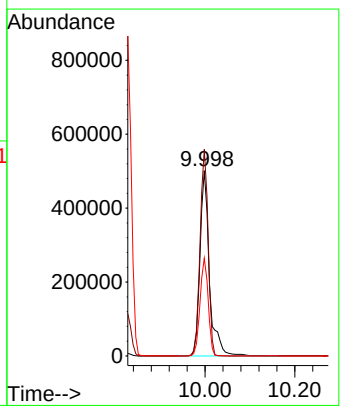


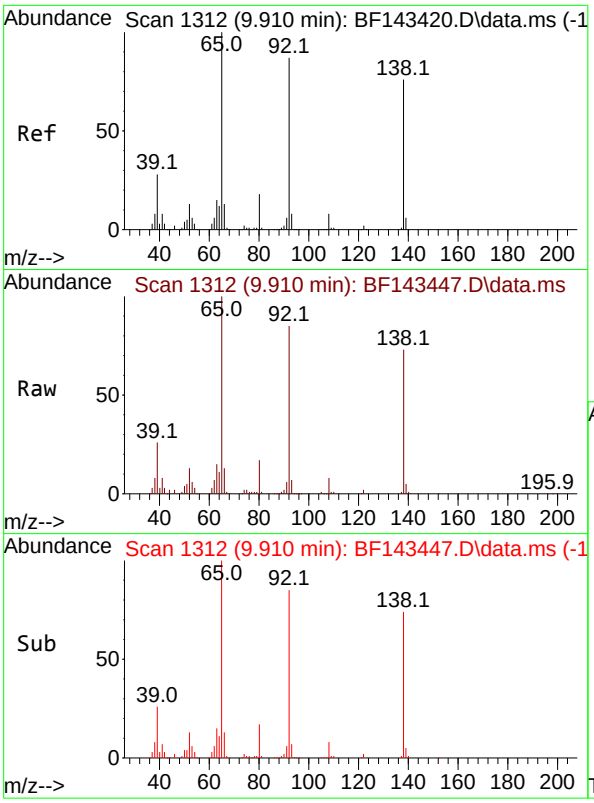


#52
Acenaphthene
Concen: 49.601 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:154 Resp: 735147

Ion	Ratio	Lower	Upper
154	100		
153	111.5	89.5	134.3
152	52.8	42.6	64.0



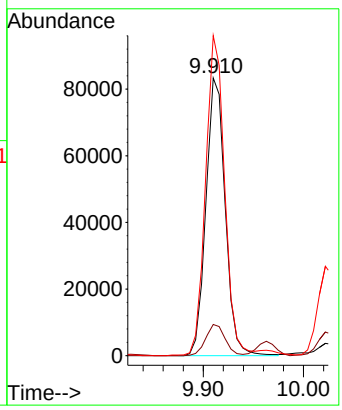


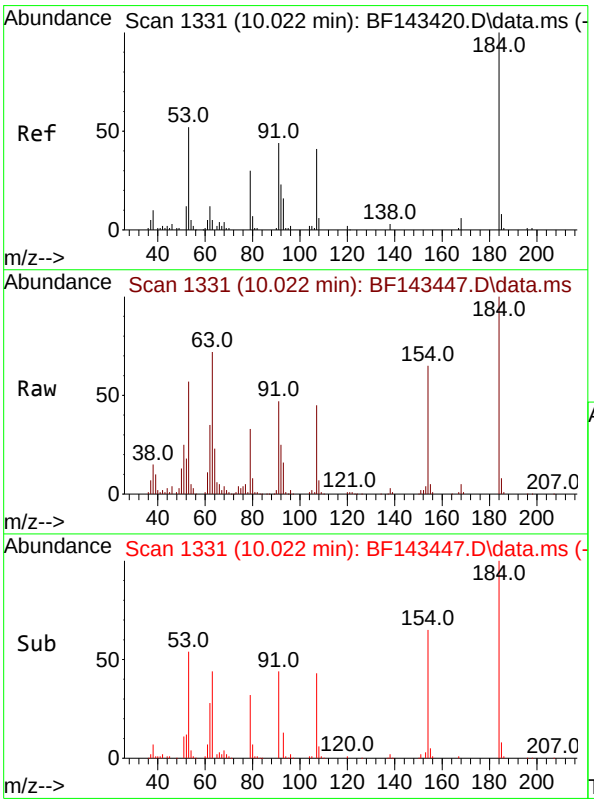
#53
3-Nitroaniline
Concen: 29.667 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:138 Resp: 111767

Ion	Ratio	Lower	Upper
138	100		
108	11.2	8.7	13.1
92	115.2	91.4	137.2

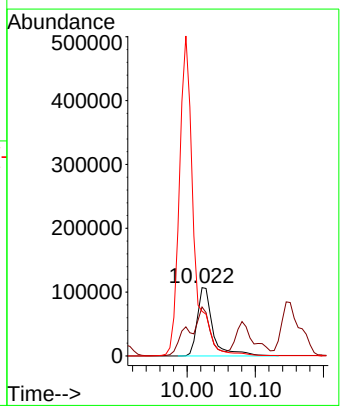


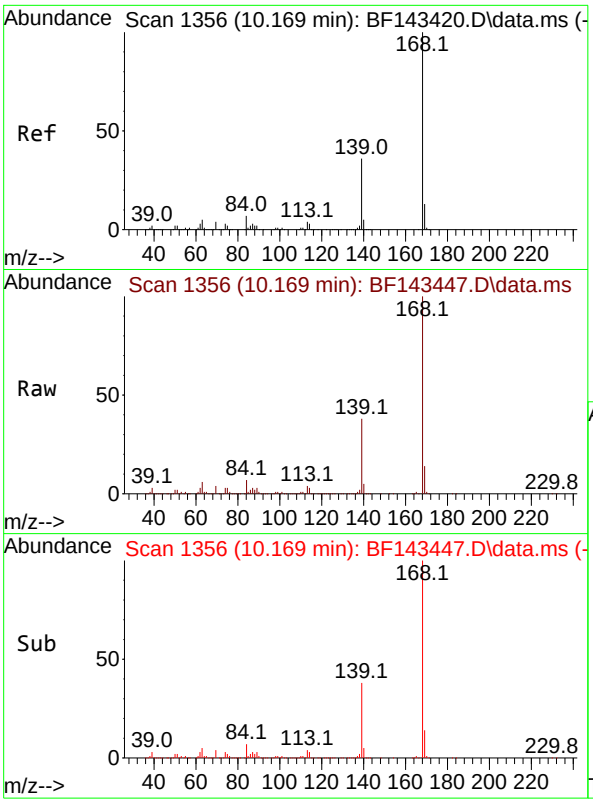


#54
2,4-Dinitrophenol
Concen: 106.583 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:184 Resp: 170836

Ion	Ratio	Lower	Upper
184	100		
63	71.8	53.2	79.8
154	65.4	51.3	76.9



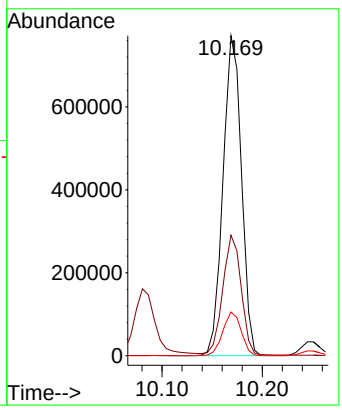


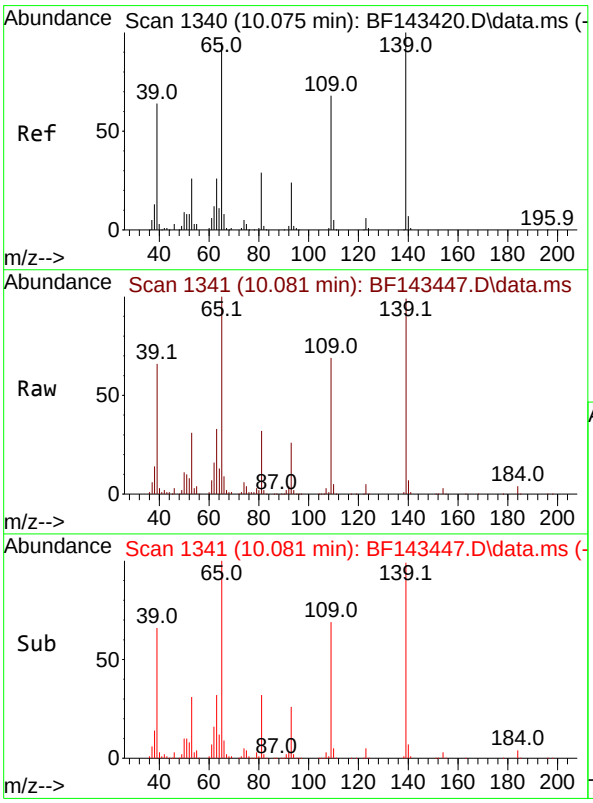
#55
Dibenzofuran
Concen: 46.056 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:168 Resp: 984704

Ion	Ratio	Lower	Upper
168	100		
139	37.6	29.3	43.9
169	13.7	10.8	16.2

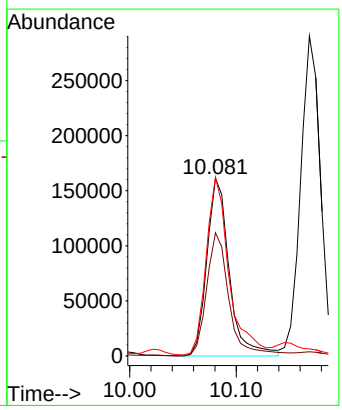


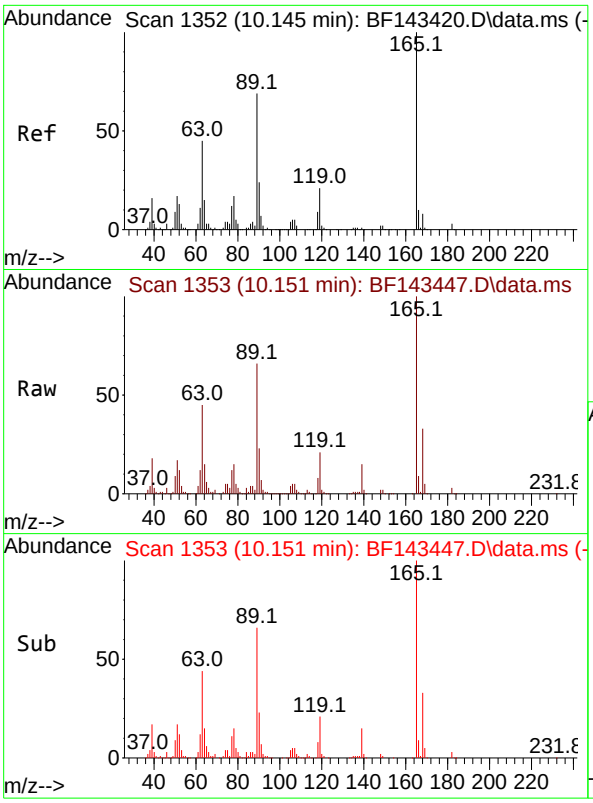


#56
4-Nitrophenol
Concen: 99.662 ng
RT: 10.081 min Scan# 1341
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:139 Resp: 236057

Ion	Ratio	Lower	Upper
139	100		
109	69.4	47.7	87.7
65	100.7	76.4	116.4



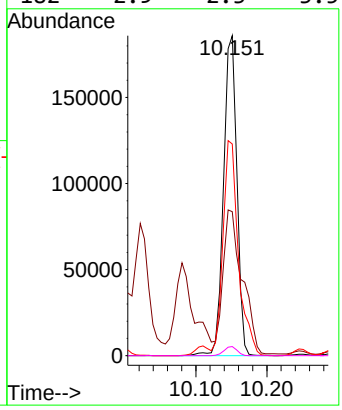


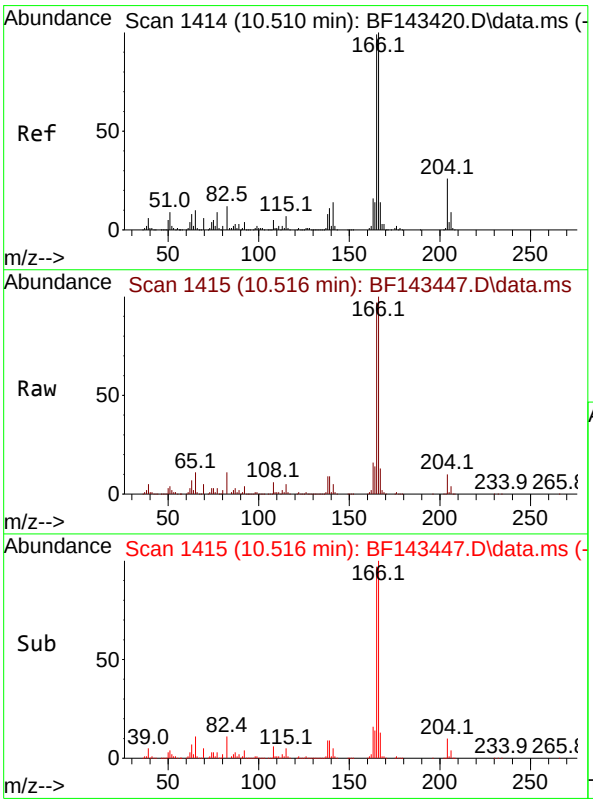
#57
2,4-Dinitrotoluene
Concen: 53.578 ng
RT: 10.151 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:165 Resp: 241594

Ion	Ratio	Lower	Upper
165	100		
63	45.0	37.0	55.6
89	66.2	55.4	83.0
182	2.9	2.3	3.5

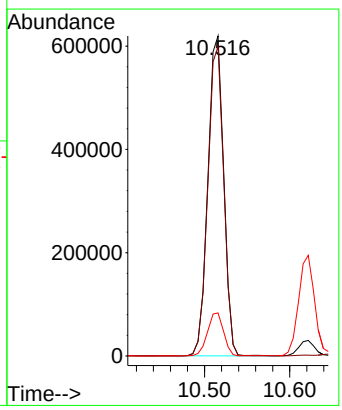


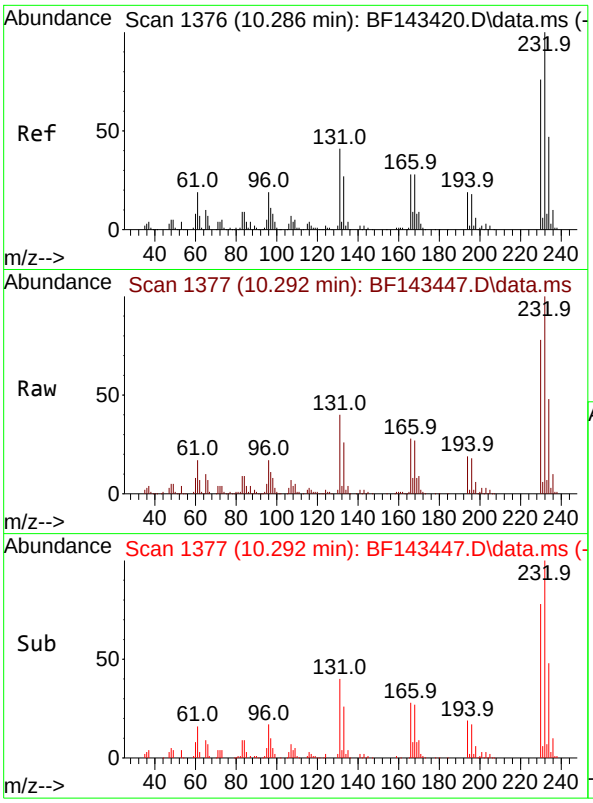


#58
Fluorene
Concen: 48.679 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:166 Resp: 799557

Ion	Ratio	Lower	Upper
166	100		
165	96.7	79.0	118.6
167	13.4	10.9	16.3



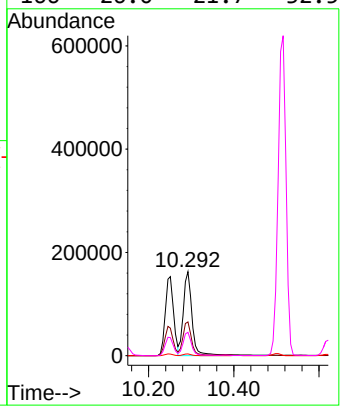


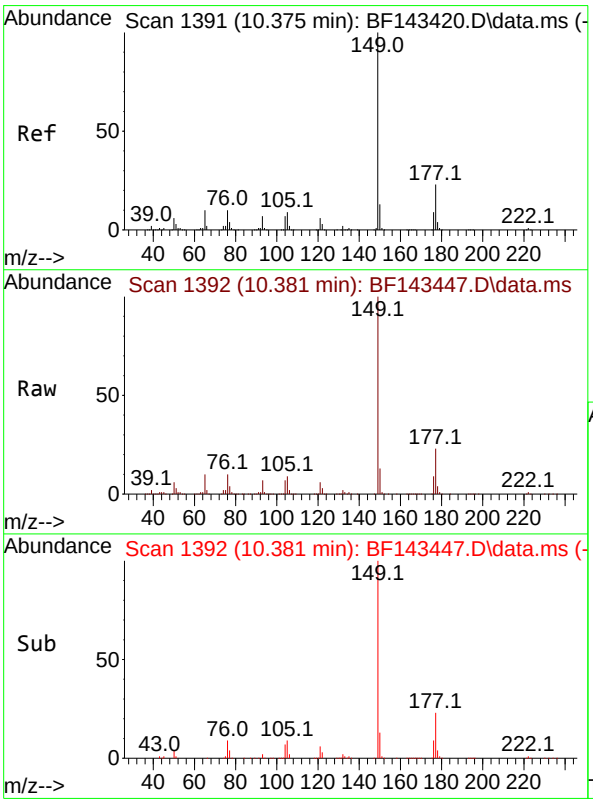
#59
2,3,4,6-Tetrachlorophenol
Concen: 59.238 ng
RT: 10.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:232 Resp: 230118

Ion	Ratio	Lower	Upper
232	100		
131	40.0	32.0	48.0
130	1.9	1.7	2.5
166	26.0	21.7	32.5

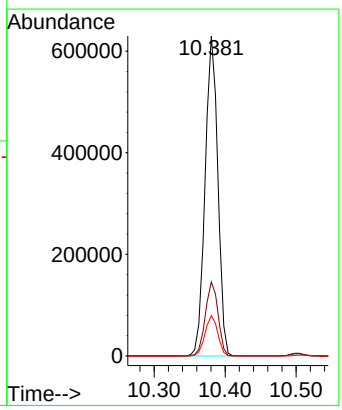


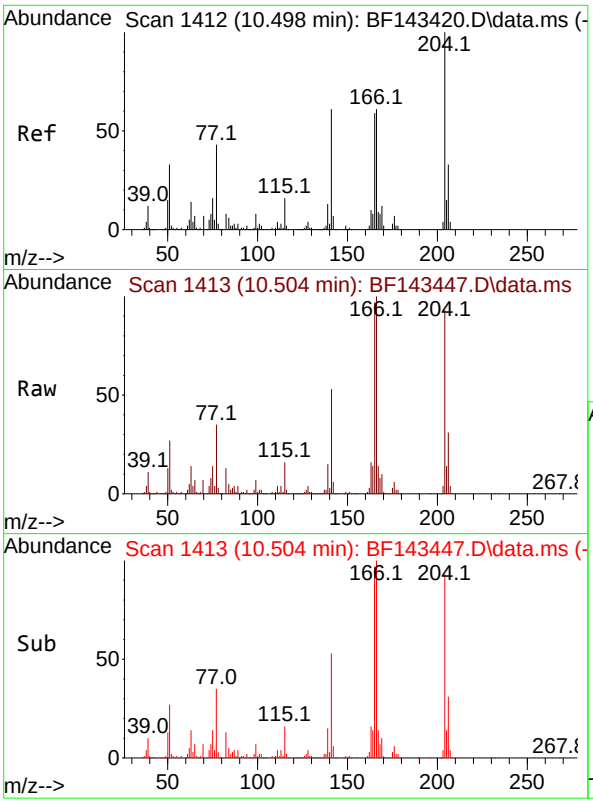


#60
Diethylphthalate
Concen: 49.623 ng
RT: 10.381 min Scan# 1392
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:149 Resp: 786748

Ion	Ratio	Lower	Upper
149	100		
177	23.2	18.2	27.4
150	12.6	10.1	15.1



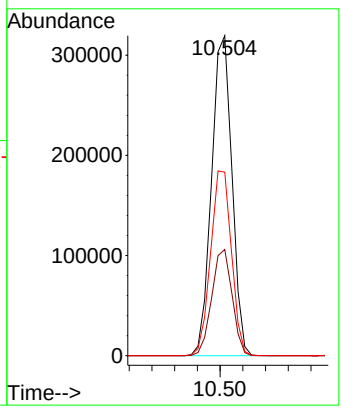


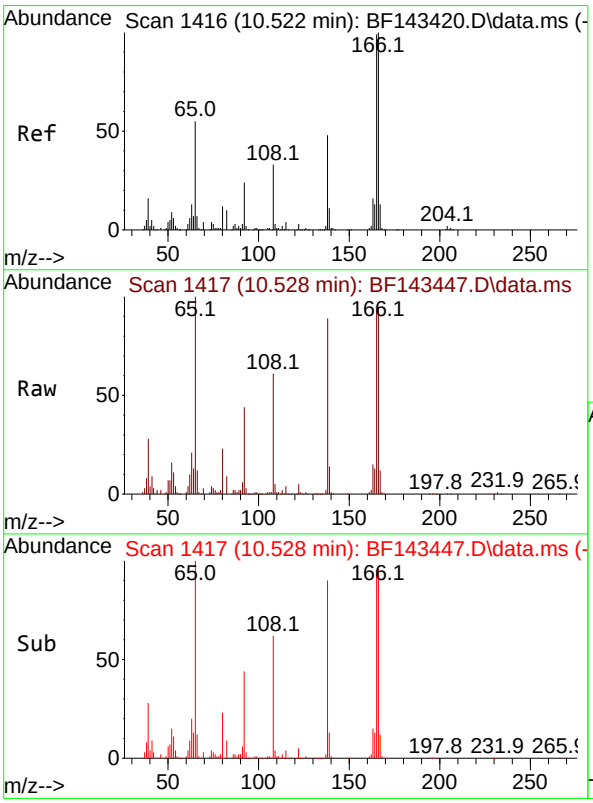
#61
4-Chlorophenyl-phenylether
Concen: 49.144 ng
RT: 10.504 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:204 Resp: 399086

Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.5	39.7
141	57.4	49.0	73.4

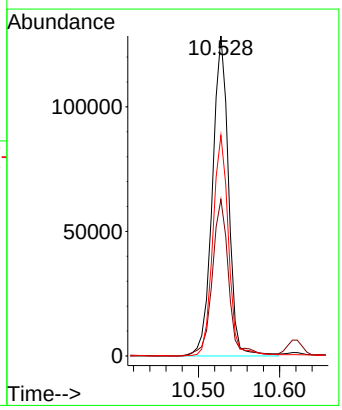


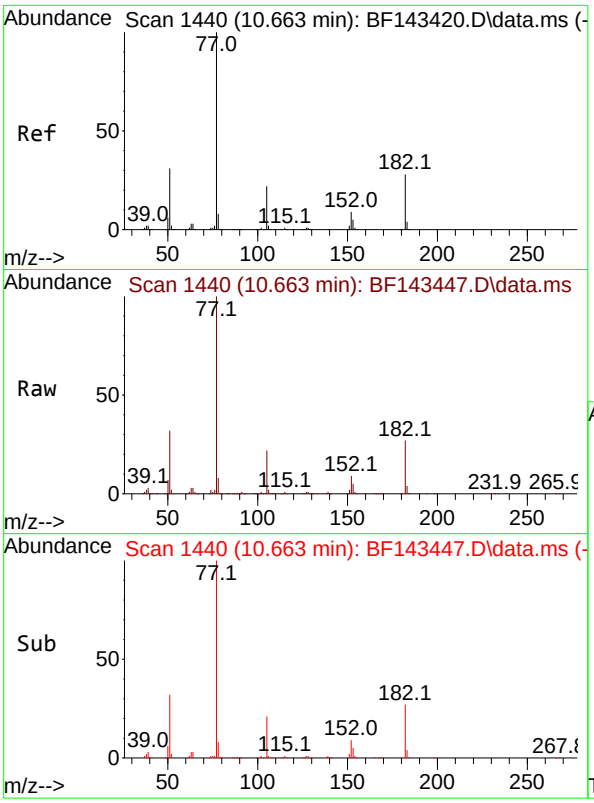


#62
4-Nitroaniline
Concen: 50.445 ng
RT: 10.528 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:138 Resp: 177734

Ion	Ratio	Lower	Upper
138	100		
92	48.9	29.4	69.4
108	69.0	48.6	88.6



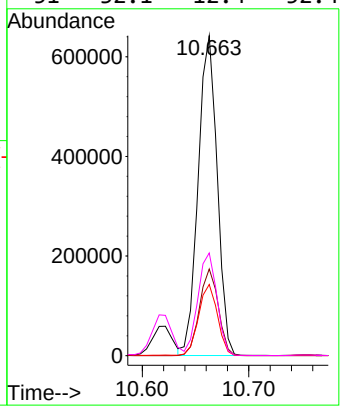


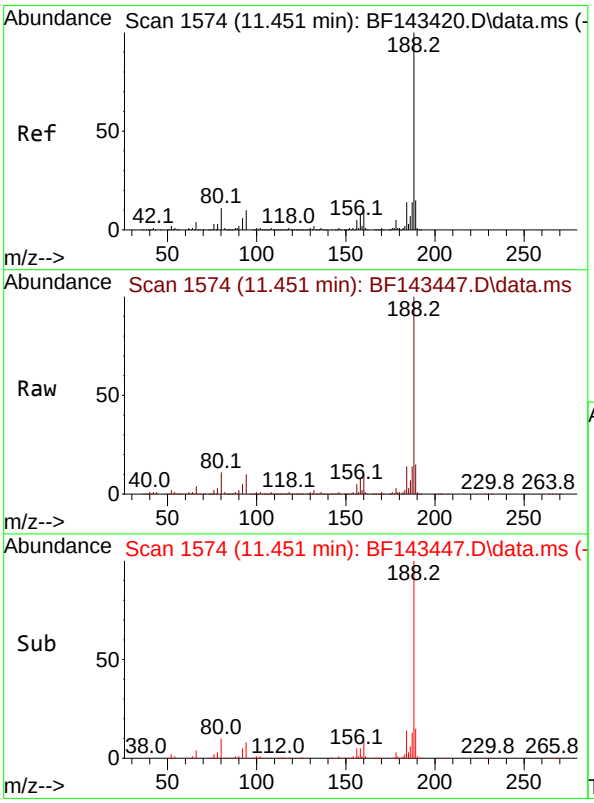
#63
Azobenzene
Concen: 49.807 ng
RT: 10.663 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion: 77 Resp: 798109

Ion	Ratio	Lower	Upper
77	100		
182	27.1	7.4	47.4
105	22.2	1.7	41.7
51	32.1	12.4	52.4

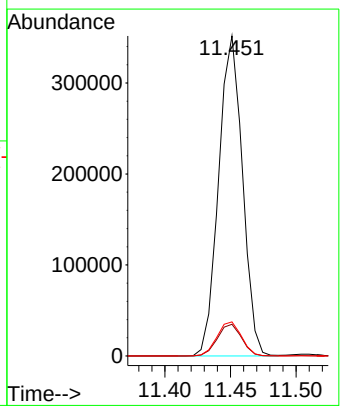


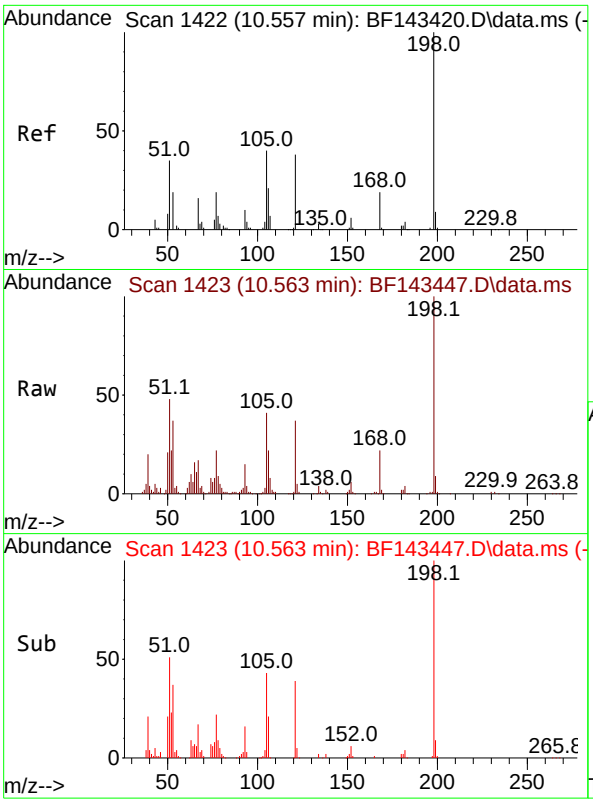


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:188 Resp: 445207

Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.0	12.0
80	10.7	8.6	12.8



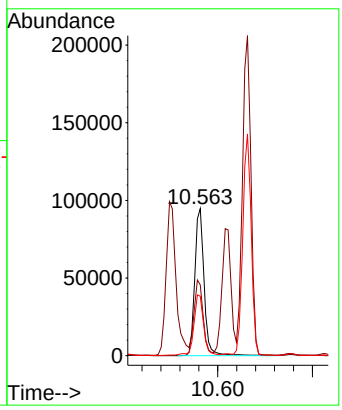


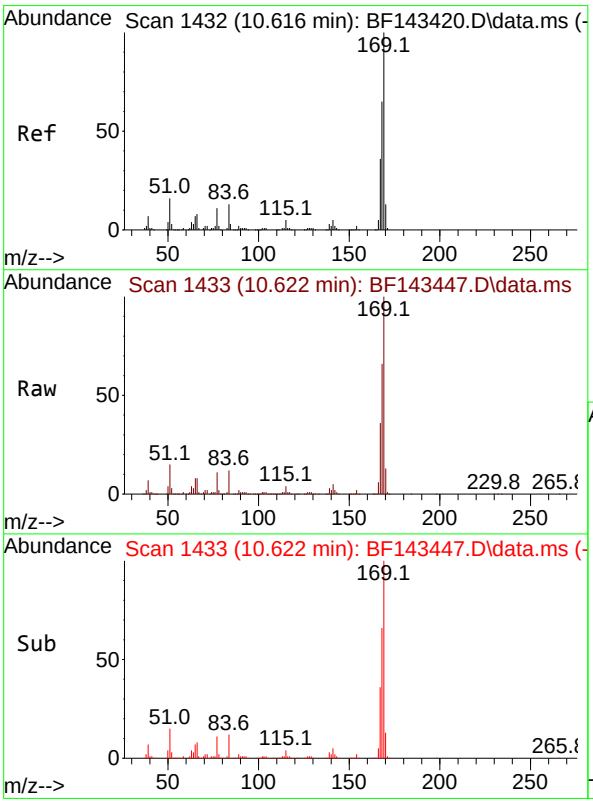
#65
4,6-Dinitro-2-methylphenol
Concen: 56.487 ng
RT: 10.563 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:198 Resp: 129758

Ion	Ratio	Lower	Upper
198	100		
51	48.1	31.2	71.2
105	40.5	21.7	61.7

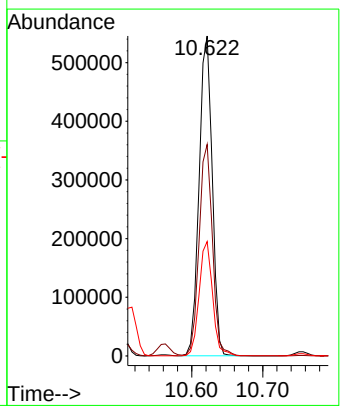


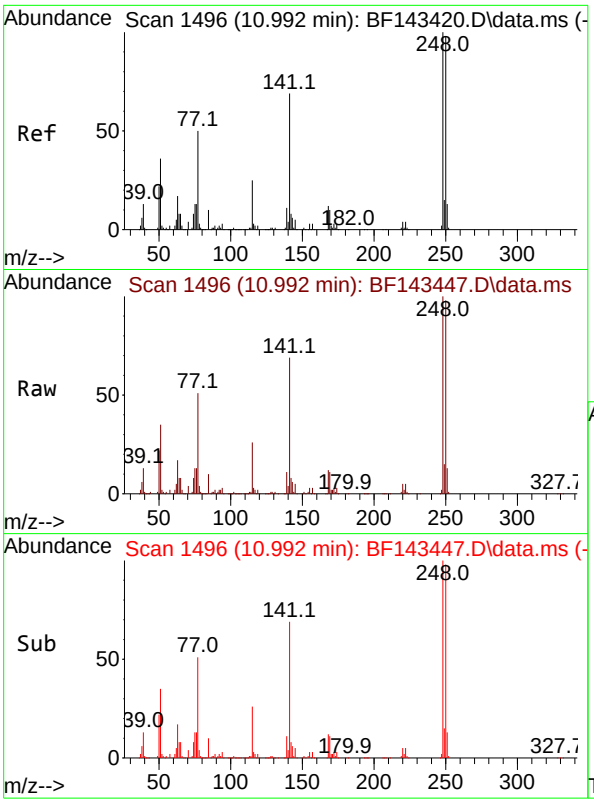


#66
n-Nitrosodiphenylamine
Concen: 48.323 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:169 Resp: 699527

Ion	Ratio	Lower	Upper
169	100		
168	66.1	52.5	78.7
167	35.8	28.6	42.8



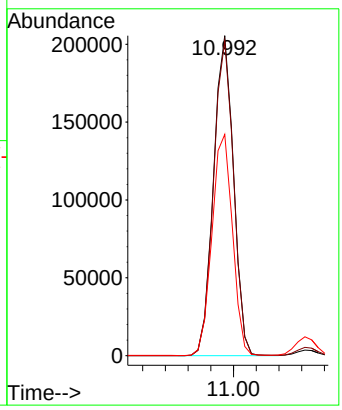


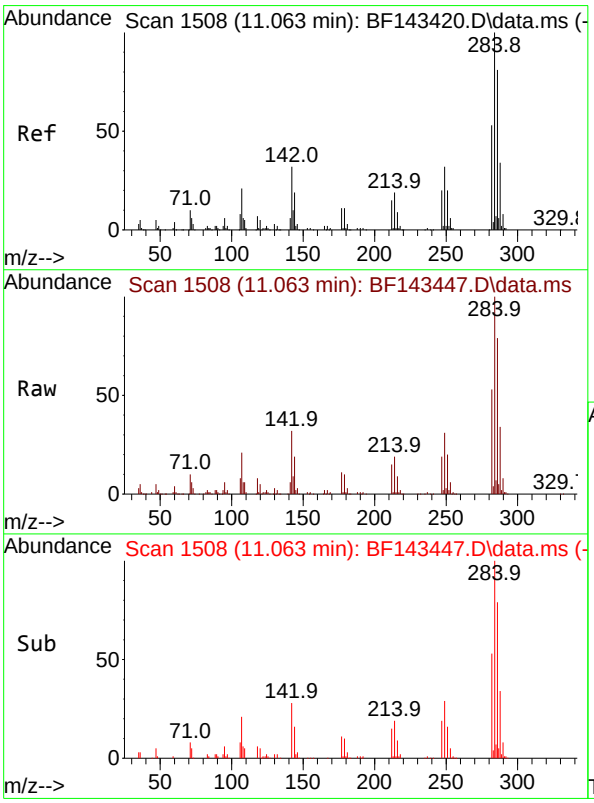
#67
4-Bromophenyl-phenylether
Concen: 47.961 ng
RT: 10.992 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:248 Resp: 252143

Ion	Ratio	Lower	Upper
248	100		
250	98.5	78.6	118.0
141	69.1	54.9	82.3

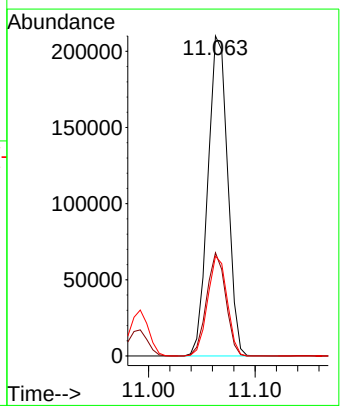


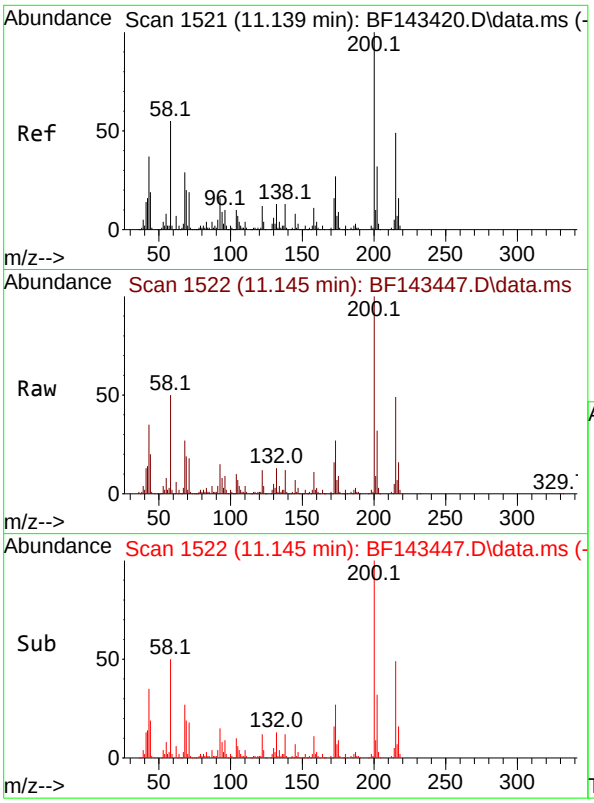


#68
Hexachlorobenzene
Concen: 48.324 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:284 Resp: 270084

Ion	Ratio	Lower	Upper
284	100		
142	32.2	25.4	38.2
249	31.2	25.4	38.0



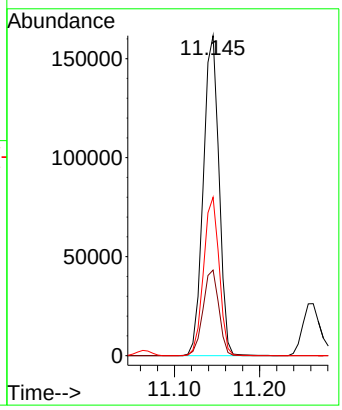


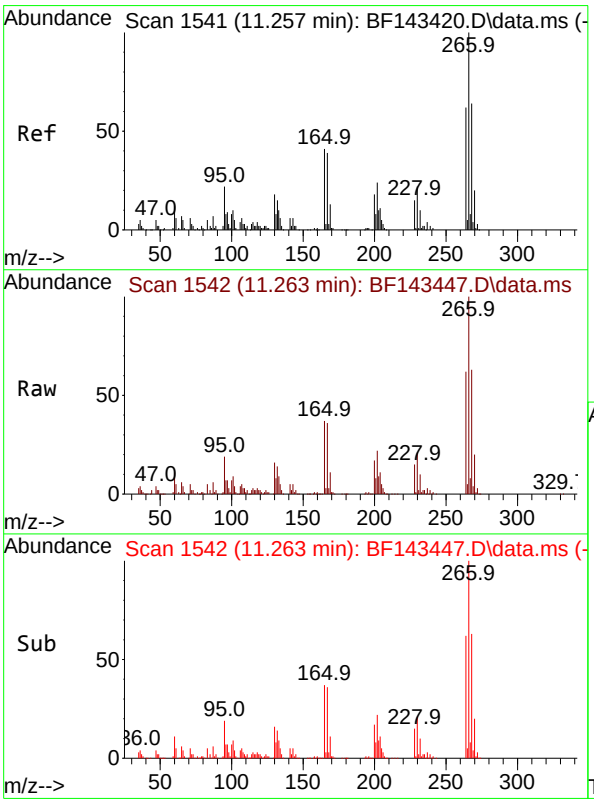
#69
Atrazine
Concen: 48.865 ng
RT: 11.145 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:200 Resp: 206899

Ion	Ratio	Lower	Upper
200	100		
173	26.8	6.6	46.6
215	49.5	29.5	69.5

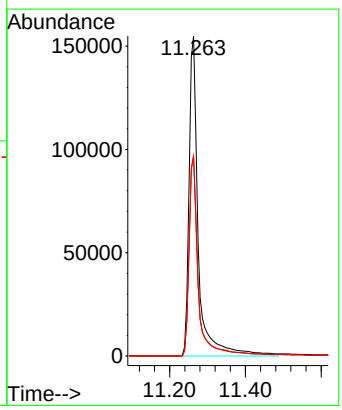


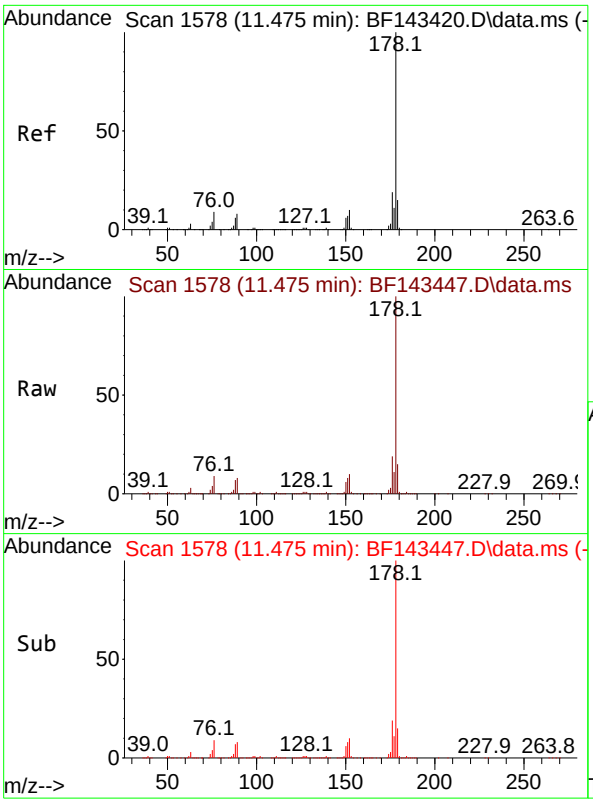


#70
Pentachlorophenol
Concen: 107.844 ng
RT: 11.263 min Scan# 1542
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:266 Resp: 265069

Ion	Ratio	Lower	Upper
266	100		
268	62.6	51.0	76.6
264	62.5	49.3	73.9



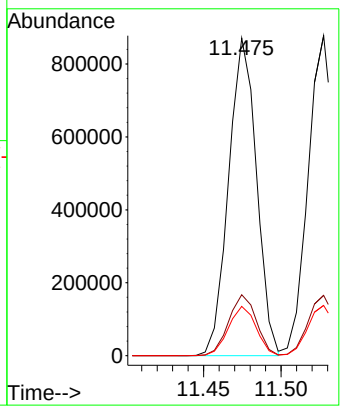


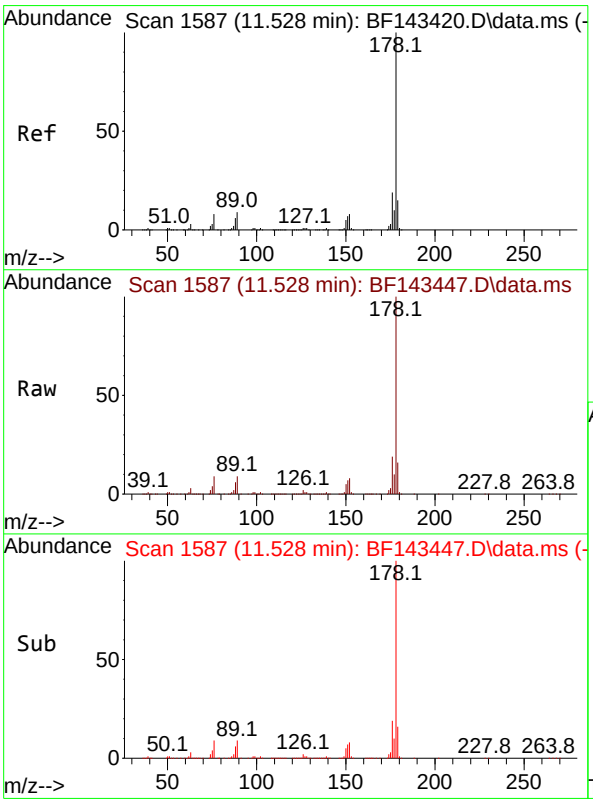
#71
Phenanthrene
Concen: 45.218 ng
RT: 11.475 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:178 Resp: 1090159

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.5	12.3	18.5

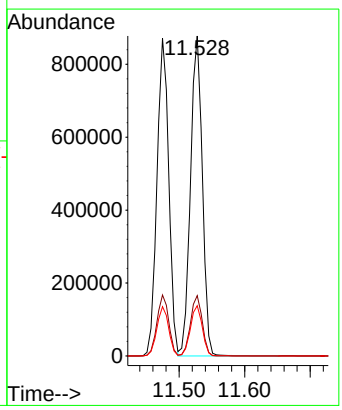


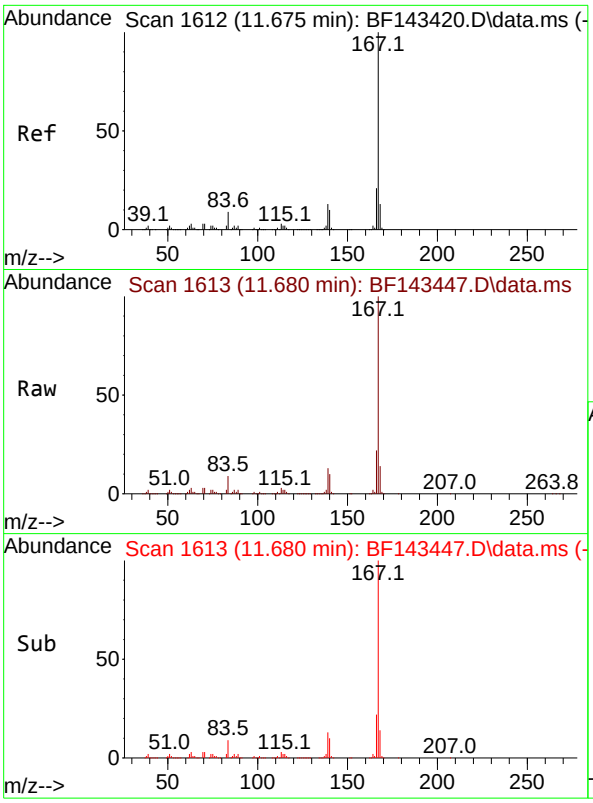


#72
Anthracene
Concen: 45.149 ng
RT: 11.528 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:178 Resp: 1099395

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	15.7	12.2	18.4



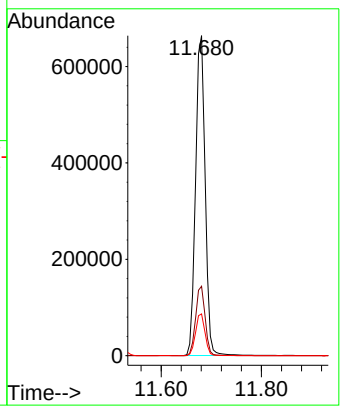


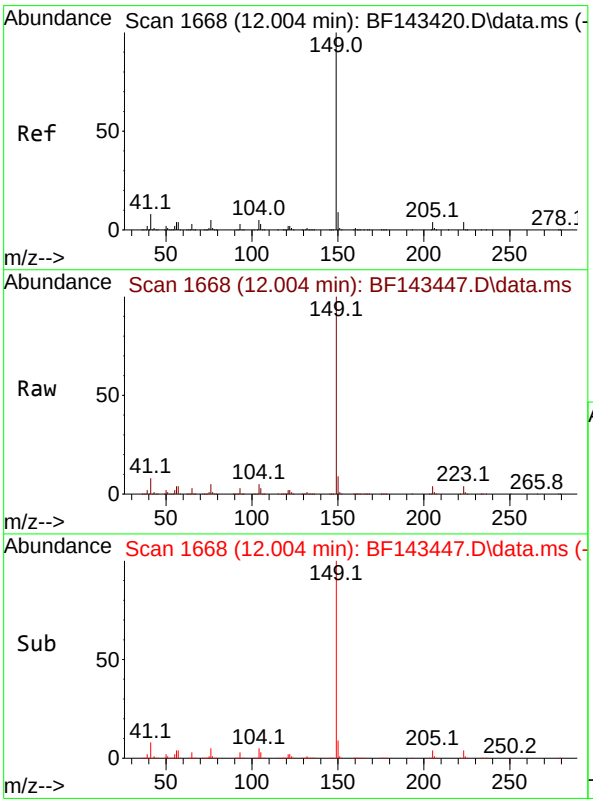
#73
Carbazole
Concen: 42.754 ng
RT: 11.680 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:167 Resp: 880493

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.2	25.8
139	13.0	10.1	15.1

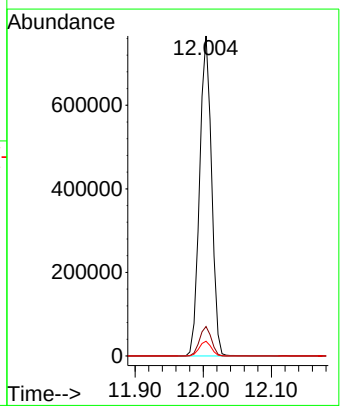


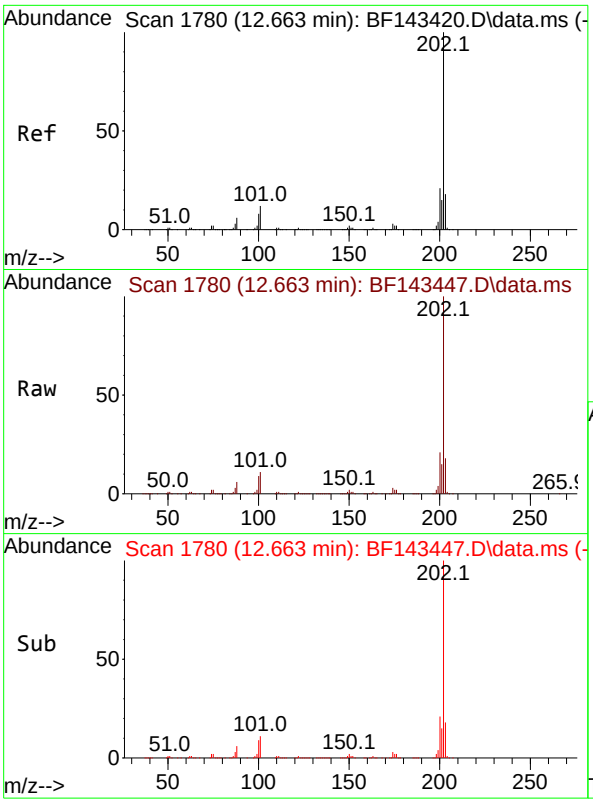


#74
Di-n-butylphthalate
Concen: 45.512 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:149 Resp: 933376

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.6	3.8	5.6



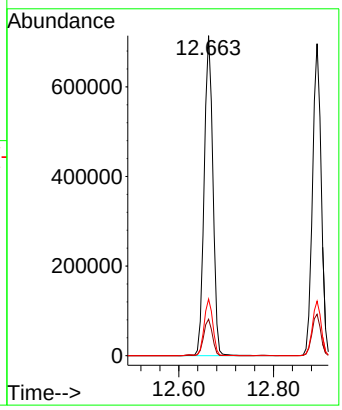


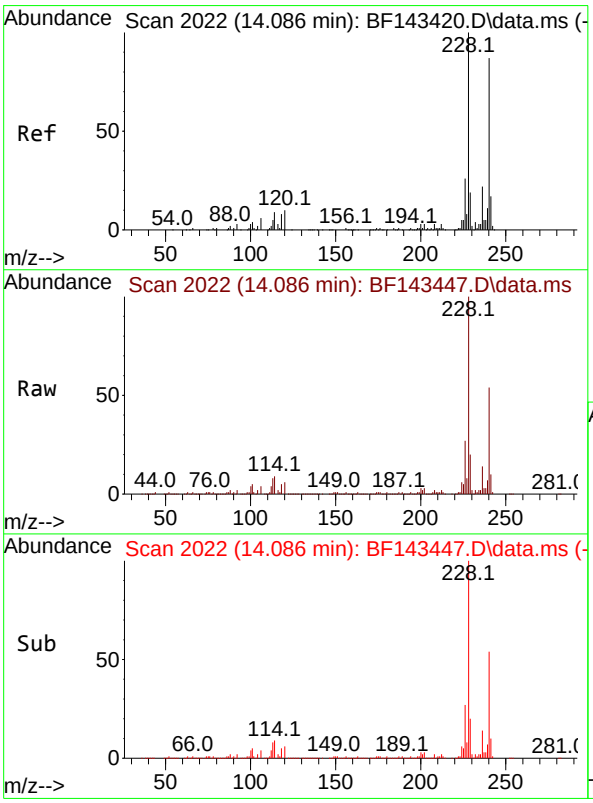
#75
Fluoranthene
Concen: 42.427 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:202 Resp: 908869

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.5
203	17.7	0.0	37.5

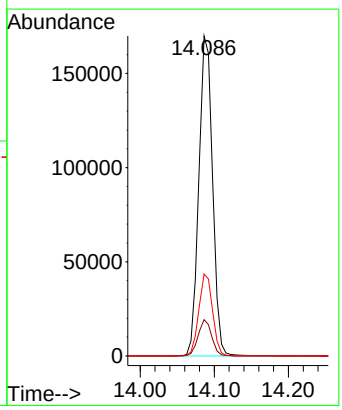


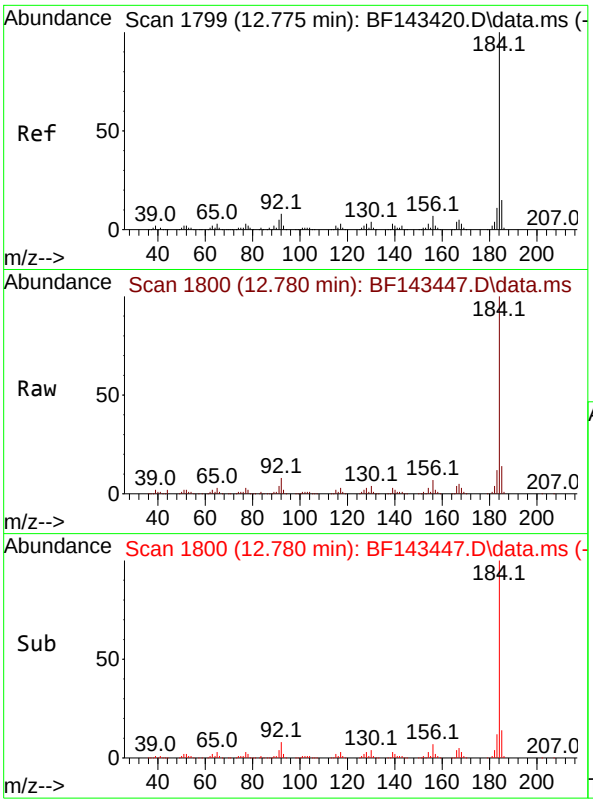


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:240 Resp: 219482

Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.0	13.4
236	25.6	20.2	30.2



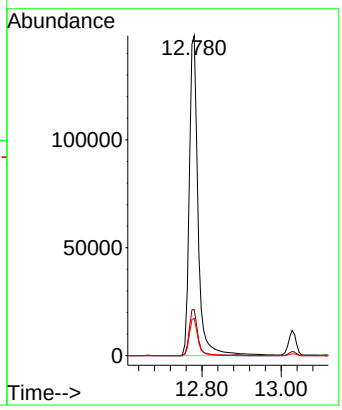


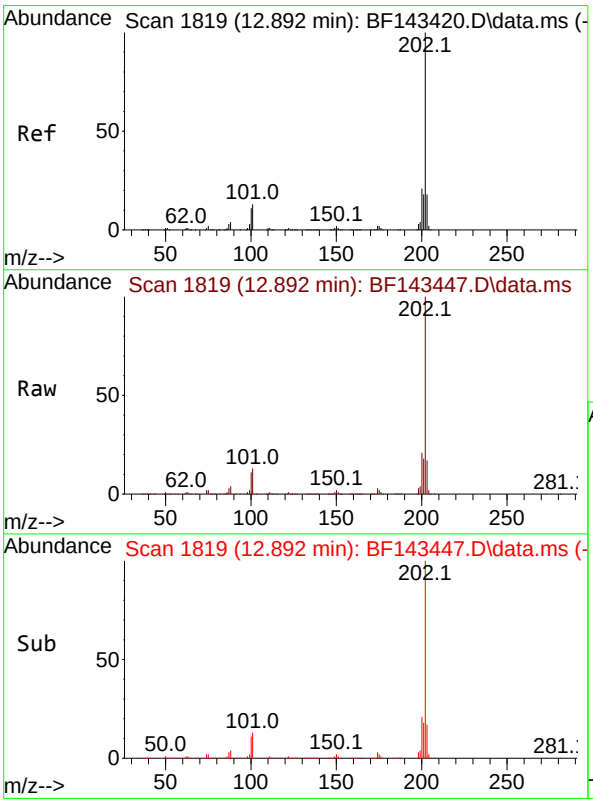
#77
Benzidine
Concen: 34.793 ng
RT: 12.780 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:184 Resp: 228043

Ion	Ratio	Lower	Upper
184	100		
185	14.4	12.2	18.2
183	11.7	9.2	13.8

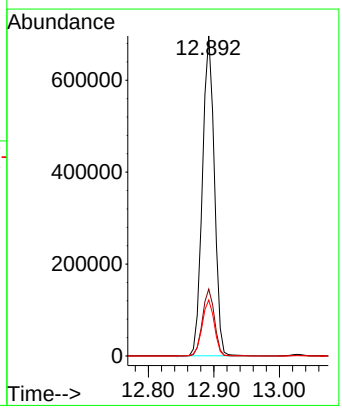


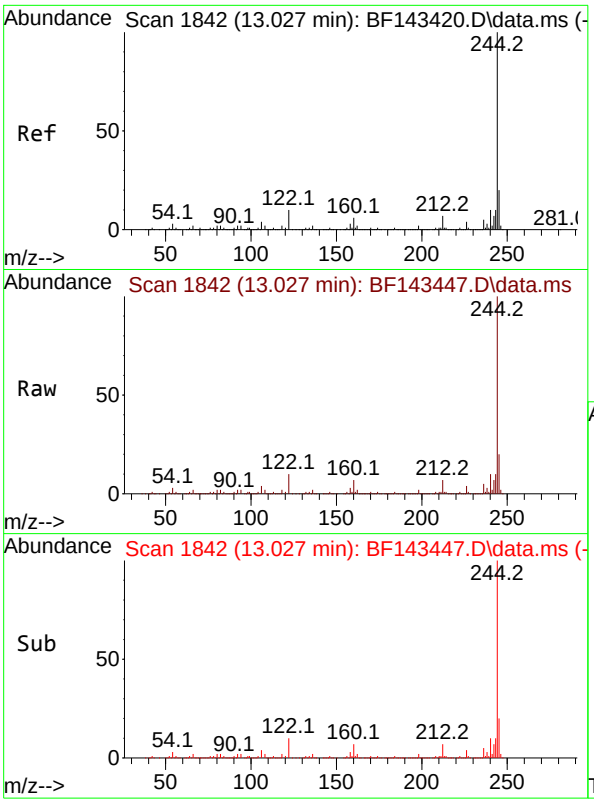


#78
Pyrene
Concen: 46.437 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:202 Resp: 885867

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.1	25.7
203	17.5	14.2	21.2



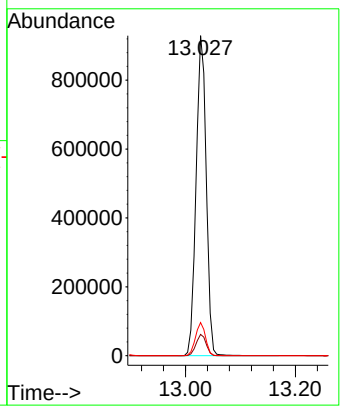


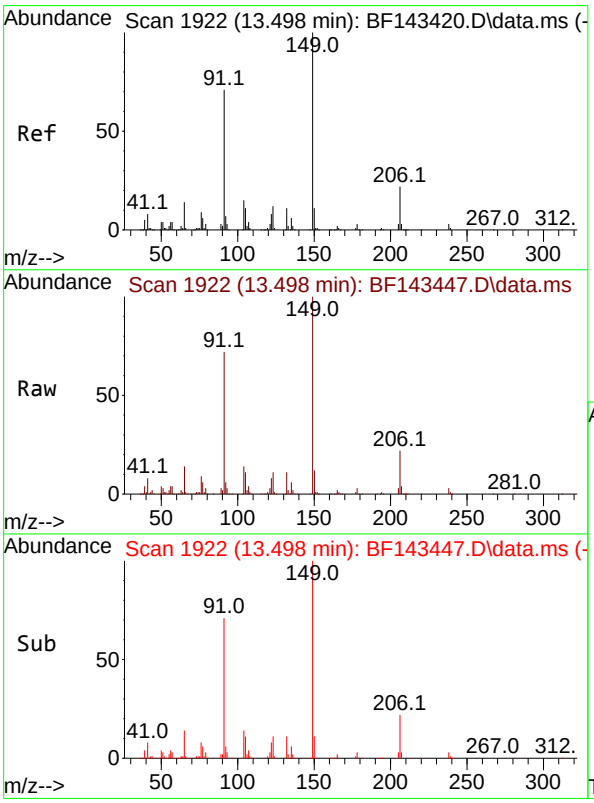
#79
Terphenyl-d14
Concen: 91.173 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:244 Resp: 1191219

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.2	7.8
122	10.3	8.3	12.5

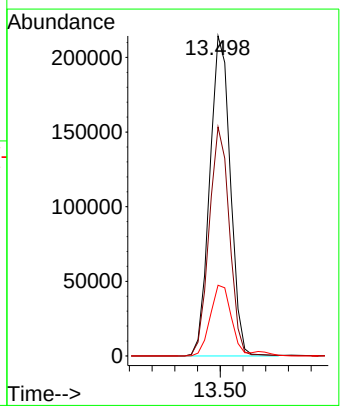


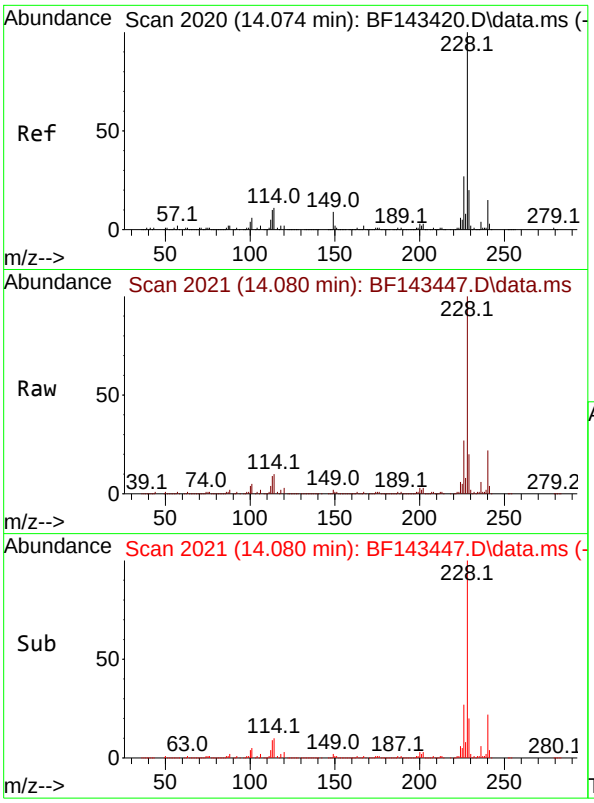


#80
Butylbenzylphthalate
Concen: 57.112 ng
RT: 13.498 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:149 Resp: 269862

Ion	Ratio	Lower	Upper
149	100		
91	71.6	57.0	85.4
206	22.1	17.6	26.4



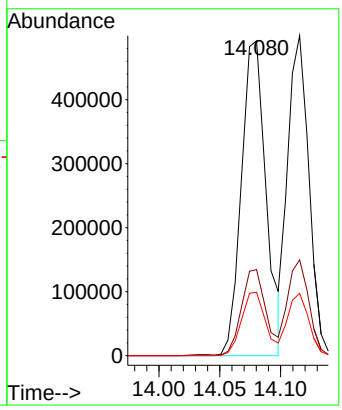


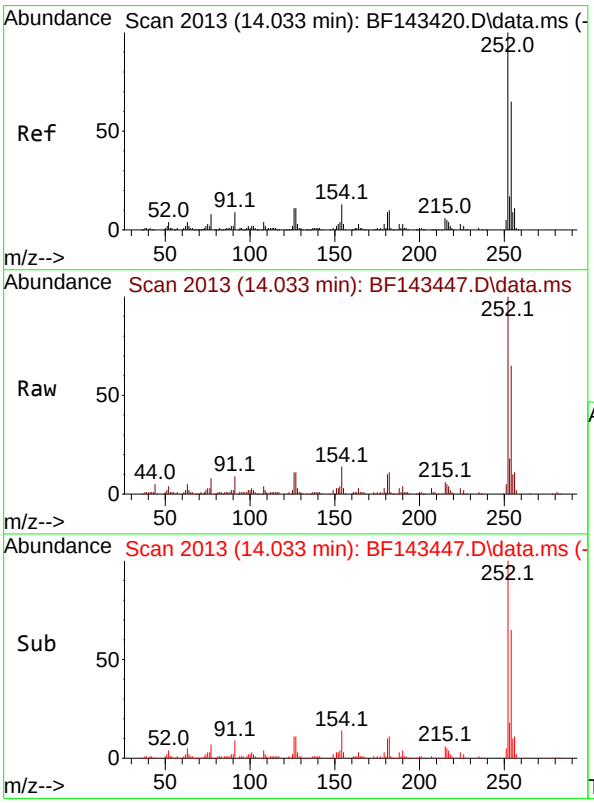
#81
Benzo(a)anthracene
Concen: 49.636 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:228 Resp: 693579

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.5	32.3
229	20.1	15.7	23.5

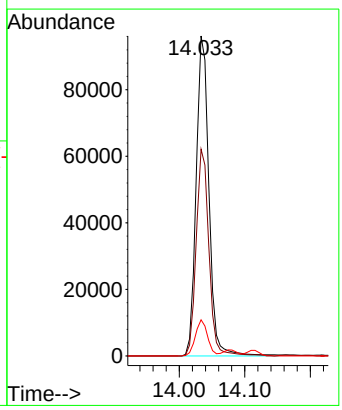


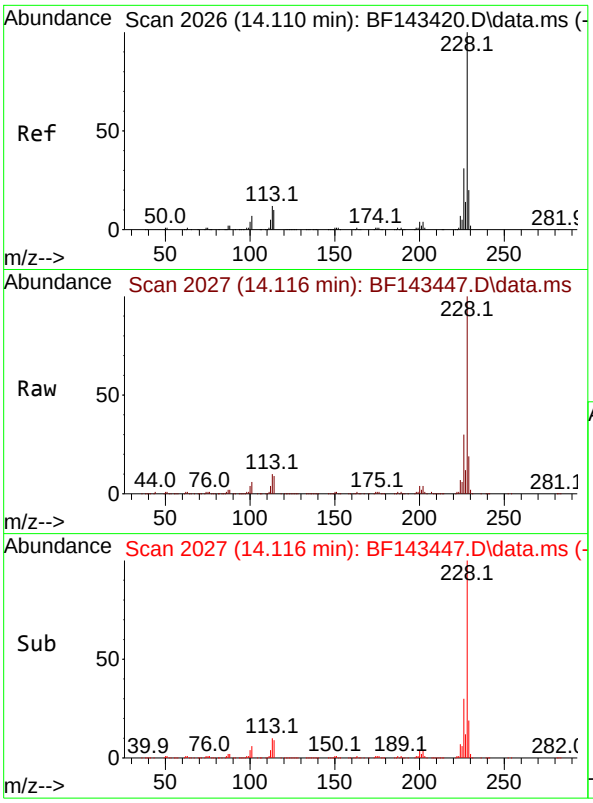


#82
3,3'-Dichlorobenzidine
Concen: 31.961 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:252 Resp: 130760

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.6	77.4
126	11.3	8.8	13.2



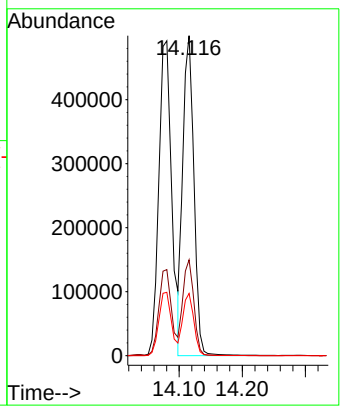


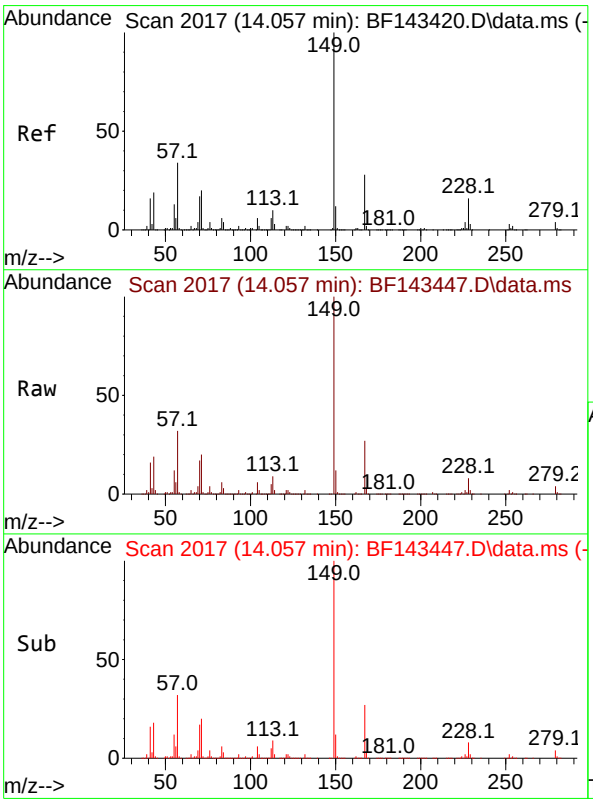
#83
Chrysene
Concen: 47.220 ng
RT: 14.116 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:228 Resp: 609997

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.3	36.5
229	19.4	16.1	24.1

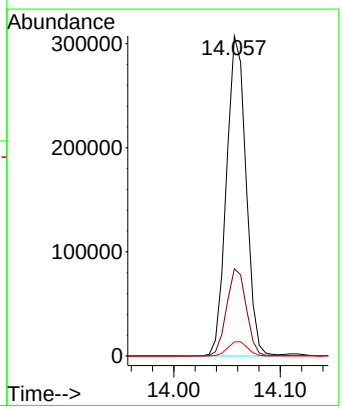


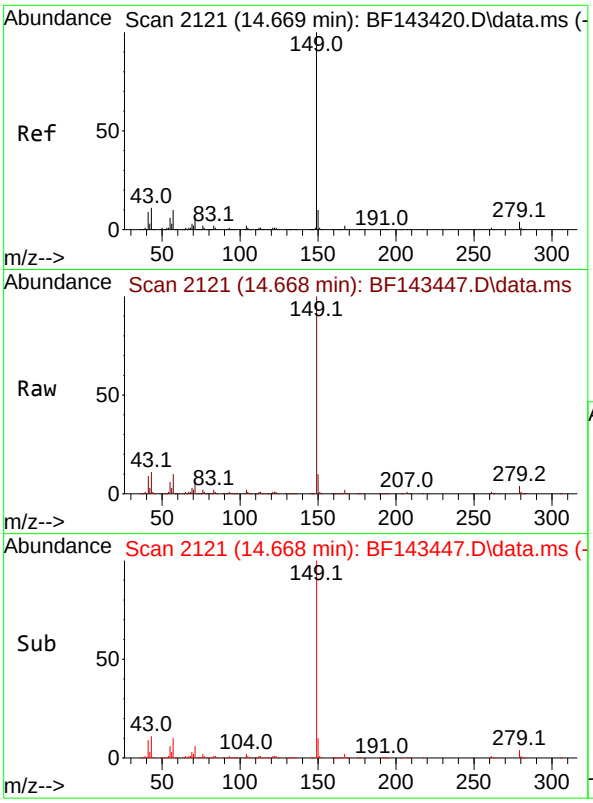


#84
Bis(2-ethylhexyl)phthalate
Concen: 58.277 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:149 Resp: 391061

Ion	Ratio	Lower	Upper
149	100		
167	27.3	22.6	33.8
279	4.4	3.5	5.3



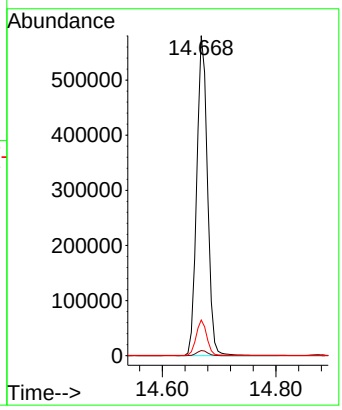


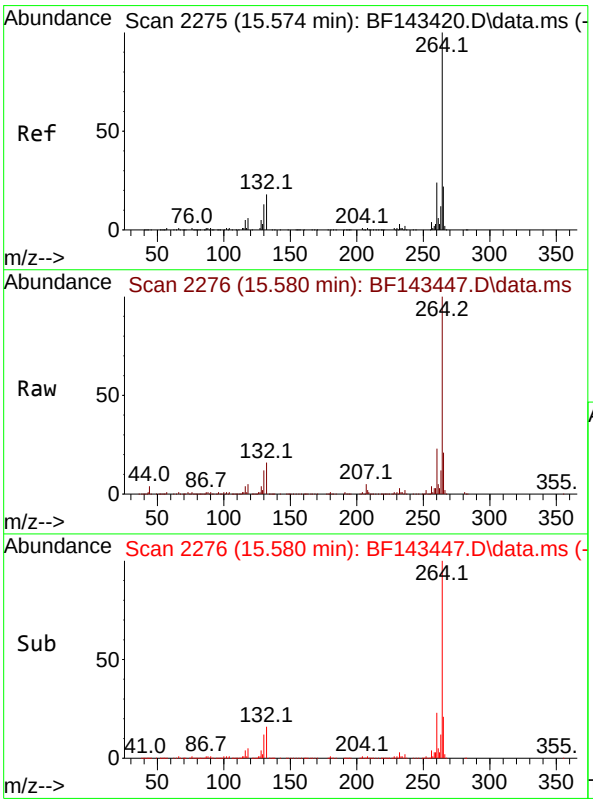
#85
Di-n-octyl phthalate
Concen: 56.035 ng
RT: 14.668 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:149 Resp: 762651

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.2	1.8
43	11.0	9.0	13.6

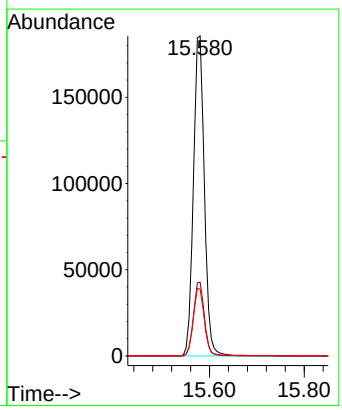


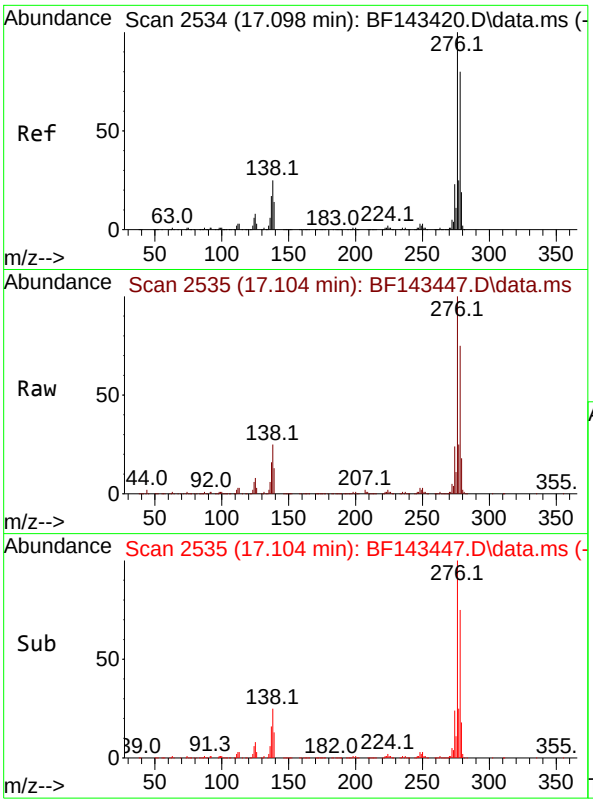


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:264 Resp: 298768

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.8	28.2
265	20.9	17.4	26.0



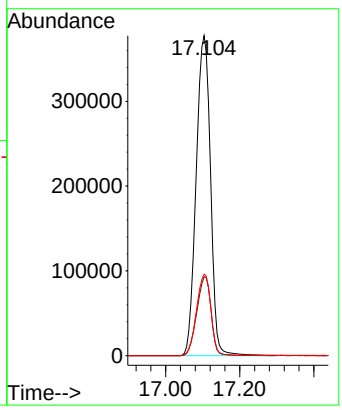


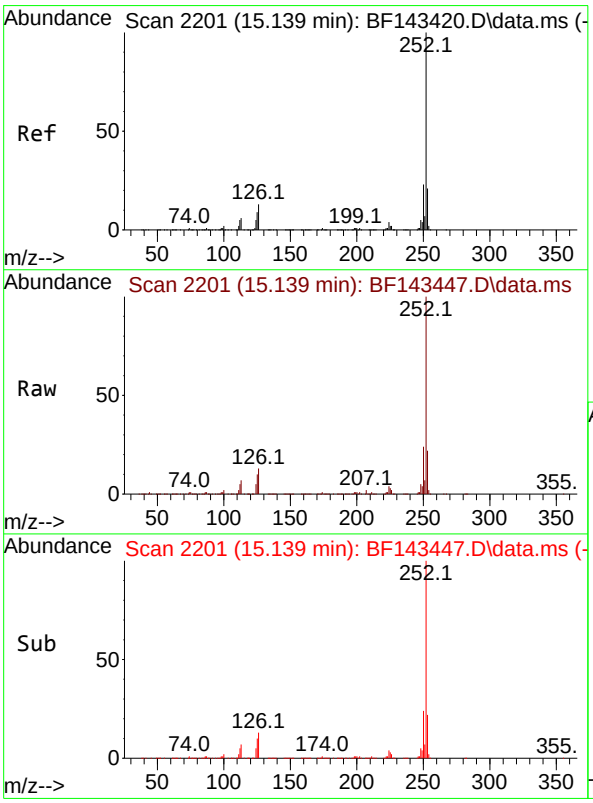
#87
Indeno(1,2,3-cd)pyrene
Concen: 45.311 ng
RT: 17.104 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:276 Resp: 1015180

Ion	Ratio	Lower	Upper
276	100		
138	24.6	20.2	30.4
277	25.4	20.2	30.2

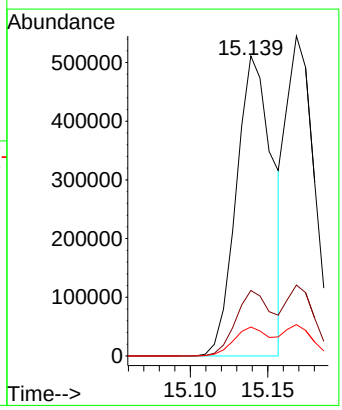


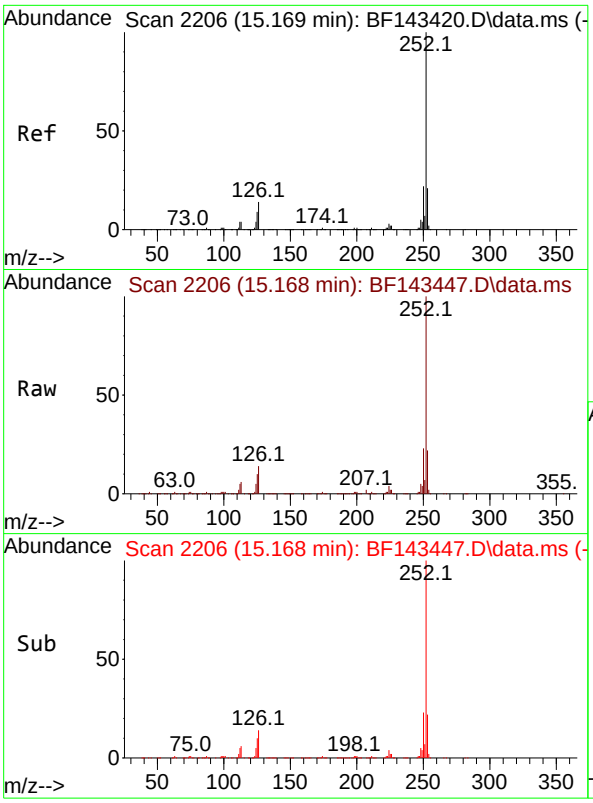


#88
Benzo(b)fluoranthene
Concen: 51.943 ng
RT: 15.139 min Scan# 2201
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:252 Resp: 831746

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	9.7	7.5	11.3



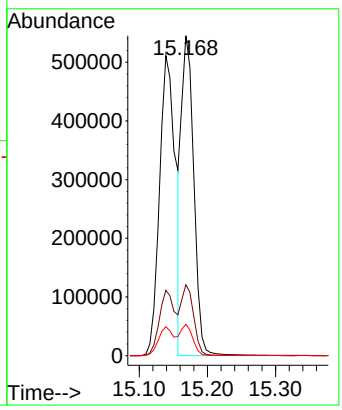


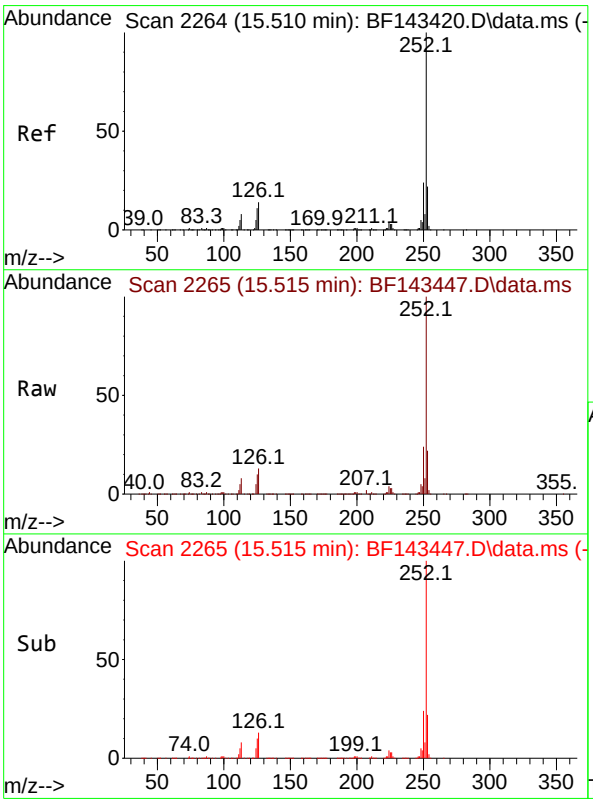
#89
Benzo(k)fluoranthene
Concen: 43.464 ng
RT: 15.168 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:252 Resp: 686452

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.2	25.8
125	9.8	7.4	11.2

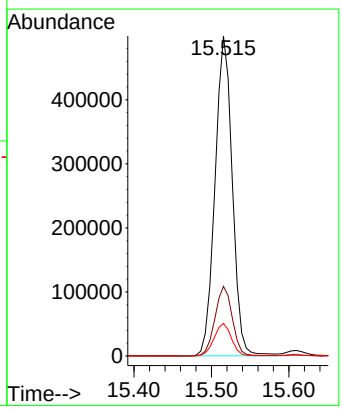


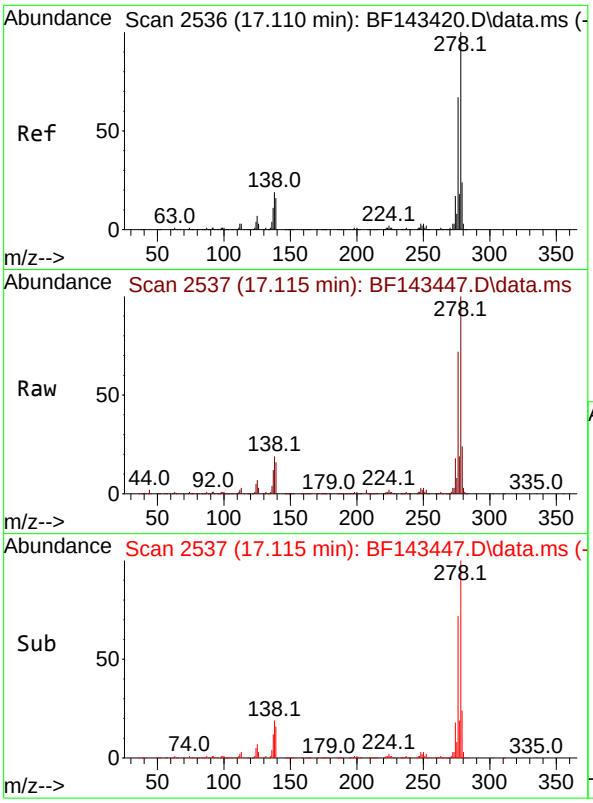


#90
Benzo(a)pyrene
Concen: 50.715 ng
RT: 15.515 min Scan# 2265
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:252 Resp: 773479

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	10.2	8.6	12.8



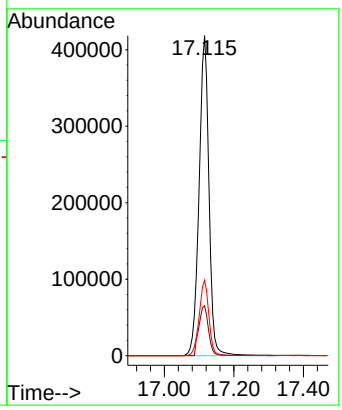


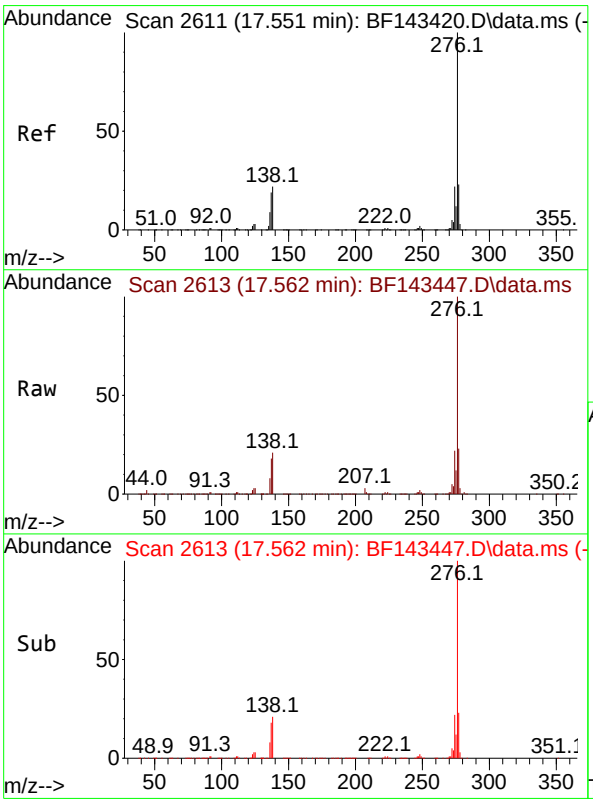
#91
Dibenzo(a,h)anthracene
Concen: 45.858 ng
RT: 17.115 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Instrument :
BNA_F
ClientSampleId :
PB169285BS

Tgt Ion:278 Resp: 825082

Ion	Ratio	Lower	Upper
278	100		
139	15.6	12.9	19.3
279	23.6	19.0	28.4

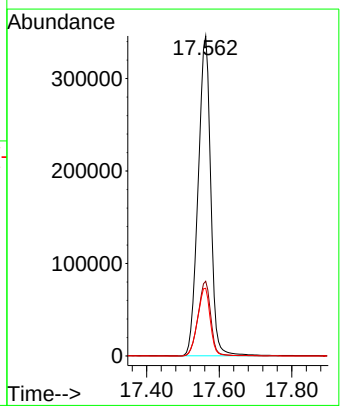




#92
Benzo(g,h,i)perylene
Concen: 46.247 ng
RT: 17.562 min Scan# 2613
Delta R.T. 0.012 min
Lab File: BF143447.D
Acq: 19 Aug 2025 10:34

Tgt Ion:276 Resp: 831232

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.7	28.1
138	21.2	17.5	26.3



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143451.D
Acq On : 19 Aug 2025 12:33
Operator : RC/JU
Sample : Q2879-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Quant Time: Aug 19 13:04:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	112068	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	363238	20.000	ng	0.00
39) Acenaphthene-d10	9.957	164	160000	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	250451	20.000	ng	0.00
76) Chrysene-d12	14.086	240	332982	20.000	ng	0.00
86) Perylene-d12	15.574	264	251746	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	514922	79.871	ng	0.00
7) Phenol-d6	6.551	99	603558	74.288	ng	0.00
23) Nitrobenzene-d5	7.481	82	394310	64.415	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	114676	80.524	ng	0.00
45) 2-Fluorobiphenyl	9.275	172	641653	67.453	ng	0.00
79) Terphenyl-d14	13.027	244	761672	38.426	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	52034	10.345	ng	# 78
25) Isophorone	7.481	82	392469	33.499	ng	# 65
51) 2,6-Dinitrotoluene	9.957	165	20373	10.360	ng	# 24
57) 2,4-Dinitrotoluene	9.957	165	20374	7.771	ng	# 25
67) 4-Bromophenyl-phenylether	10.745	248	7482	2.530	ng	# 1
71) Phenanthrene	11.469	178	34395	2.536	ng	99
75) Fluoranthene	12.657	202	142665	11.839	ng	99
78) Pyrene	12.886	202	134822	4.658	ng	98
81) Benzo(a)anthracene	14.074	228	100221	4.728	ng	93
83) Chrysene	14.110	228	98423	5.022	ng	98
84) Bis(2-ethylhexyl)phtha...	14.057	149	30771	3.023	ng	99
88) Benzo(b)fluoranthene	15.139	252	162994	12.080	ng	# 93
89) Benzo(k)fluoranthene	15.139	252	162994	12.248	ng	# 93
90) Benzo(a)pyrene	15.515	252	68496	5.330	ng	# 94
92) Benzo(g,h,i)perylene	17.562	276	34558	2.282	ng	96

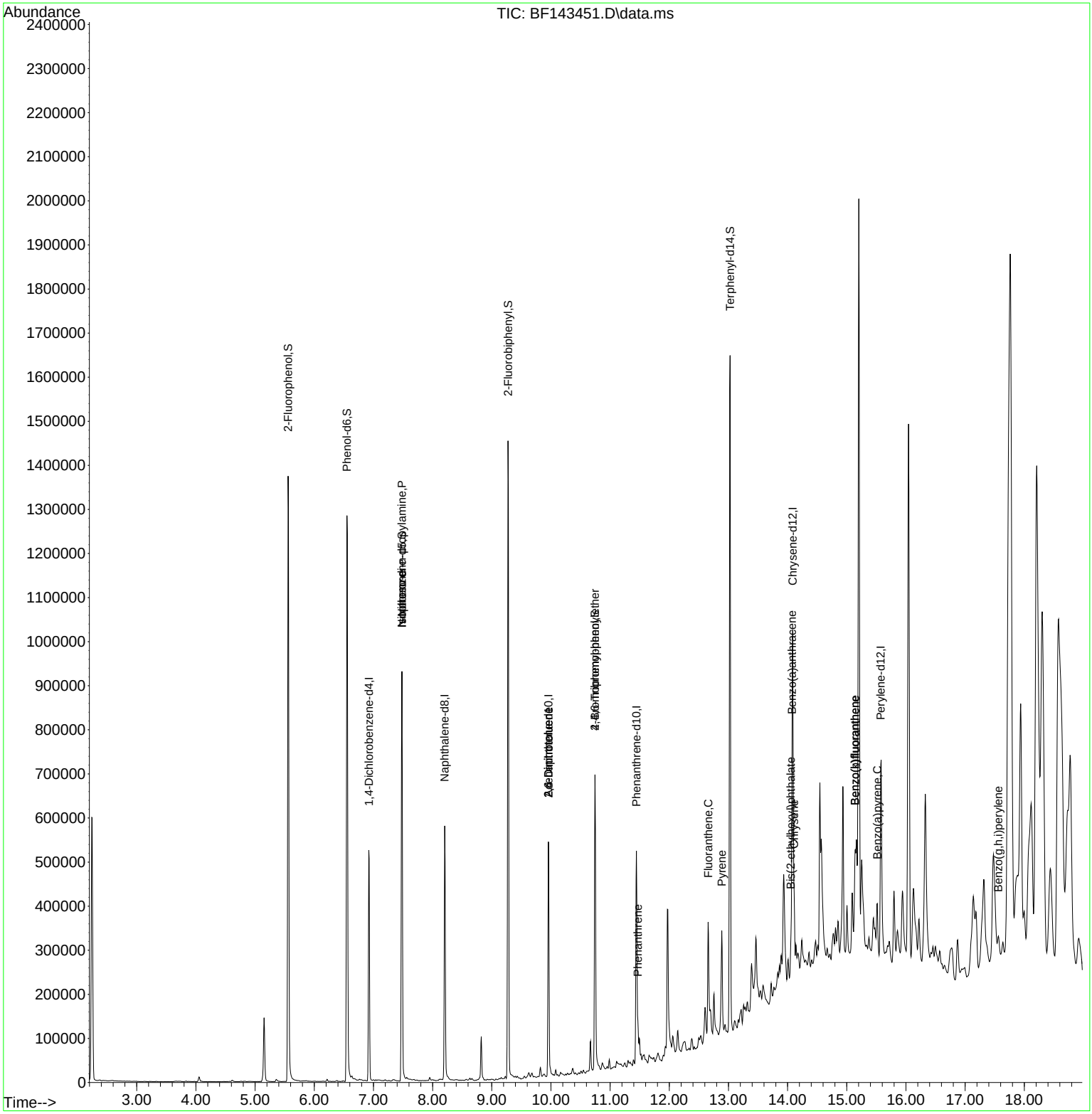
(#) = qualifier out of range (m) = manual integration (+) = signals summed

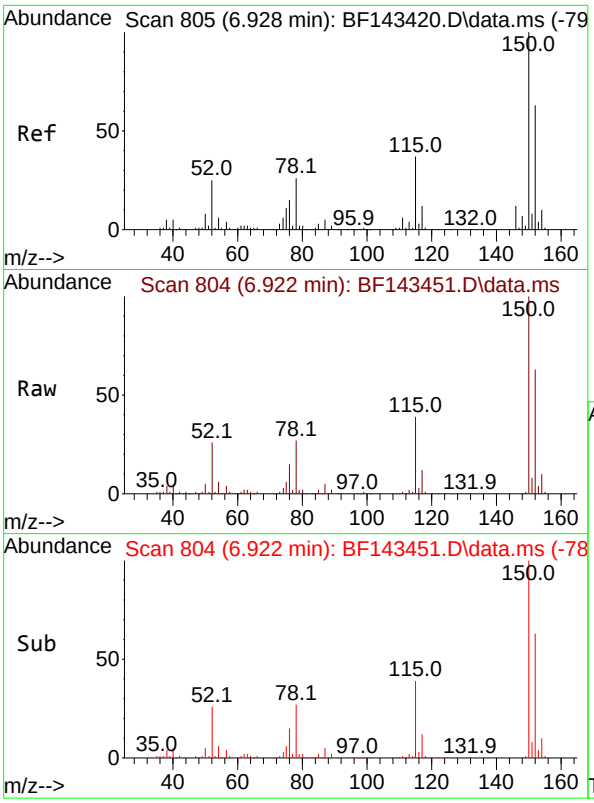
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143451.D
Acq On : 19 Aug 2025 12:33
Operator : RC/JU
Sample : Q2879-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Quant Time: Aug 19 13:04:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration



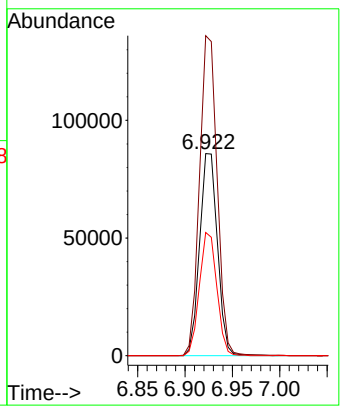


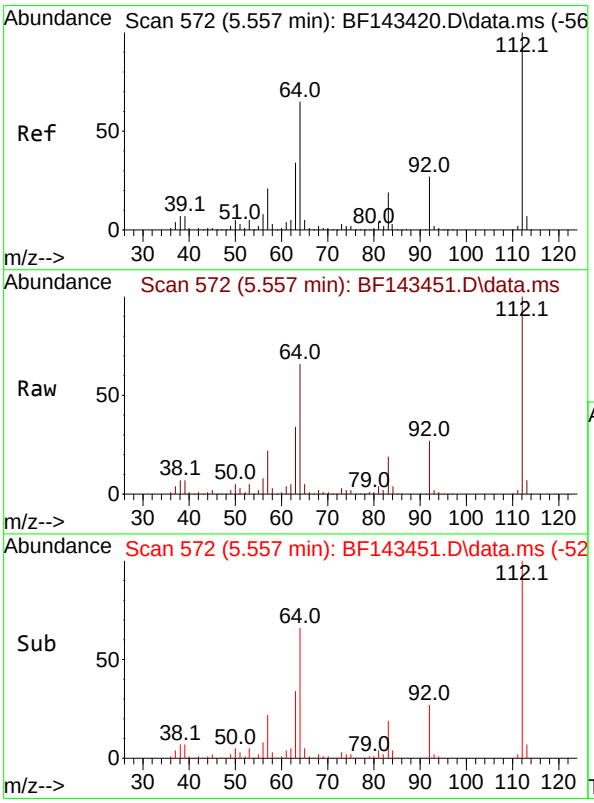
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Tgt Ion:152 Resp: 112068

Ion	Ratio	Lower	Upper
152	100		
150	158.3	127.4	191.2
115	61.0	47.5	71.3

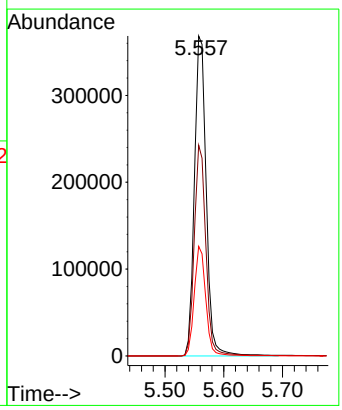


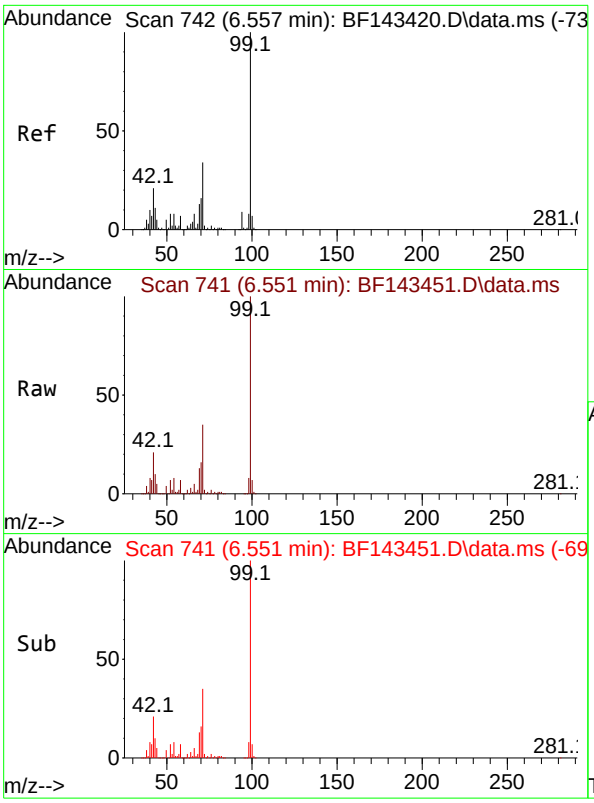


#5
2-Fluorophenol
Concen: 79.871 ng
RT: 5.557 min Scan# 572
Delta R.T. -0.000 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion:112 Resp: 514922

Ion	Ratio	Lower	Upper
112	100		
64	65.9	52.2	78.2
63	34.2	27.0	40.6



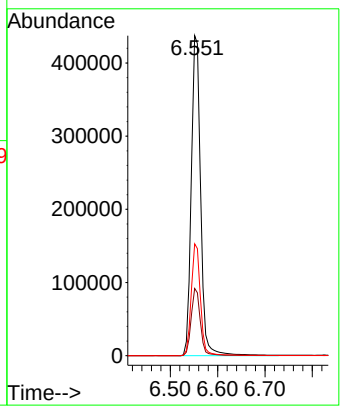


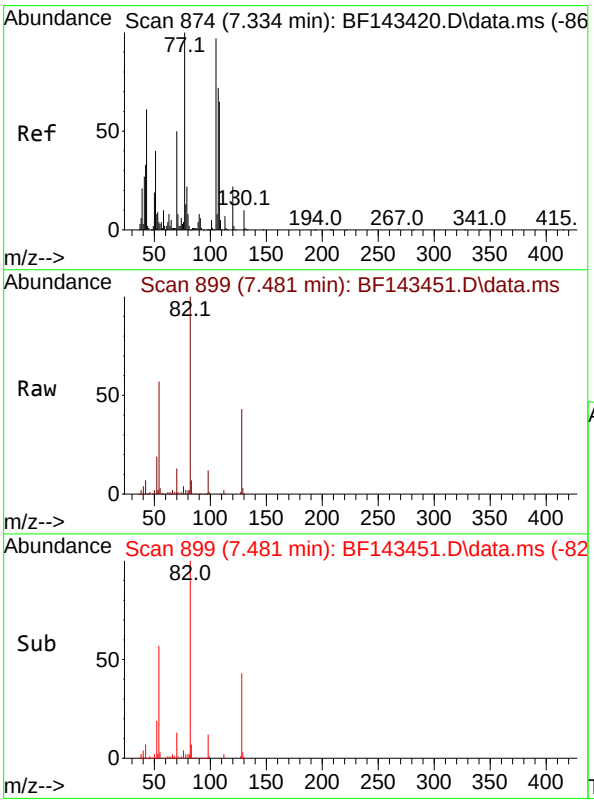
#7
Phenol-d6
Concen: 74.288 ng
RT: 6.551 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Tgt Ion: 99 Resp: 603558

Ion	Ratio	Lower	Upper
99	100		
42	21.0	17.0	25.6
71	34.9	27.4	41.2

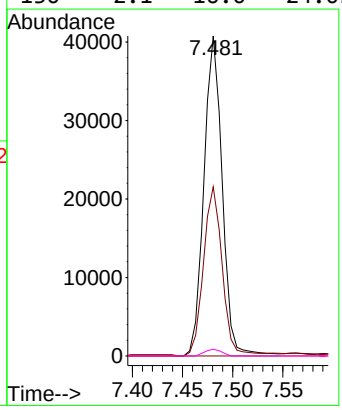


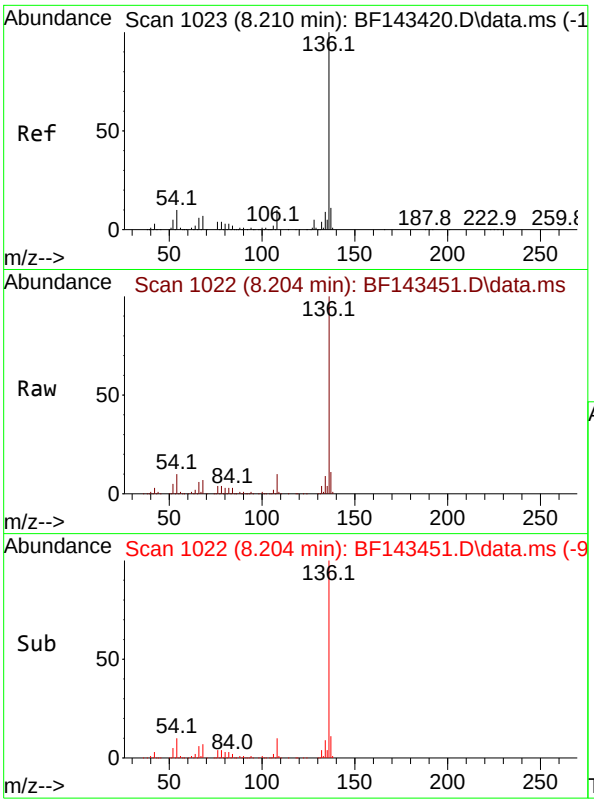


#19
n-Nitroso-di-n-propylamine
Concen: 10.345 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.147 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion: 70 Resp: 52034

Ion	Ratio	Lower	Upper
70	100		
42	52.9	52.5	78.7
101	0.0	7.9	11.9#
130	2.1	16.0	24.0#



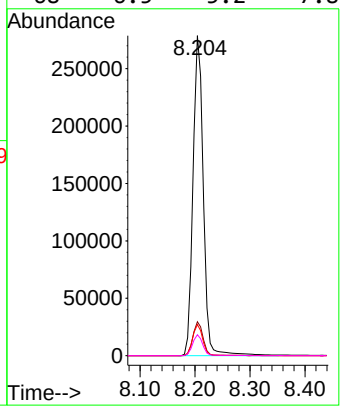


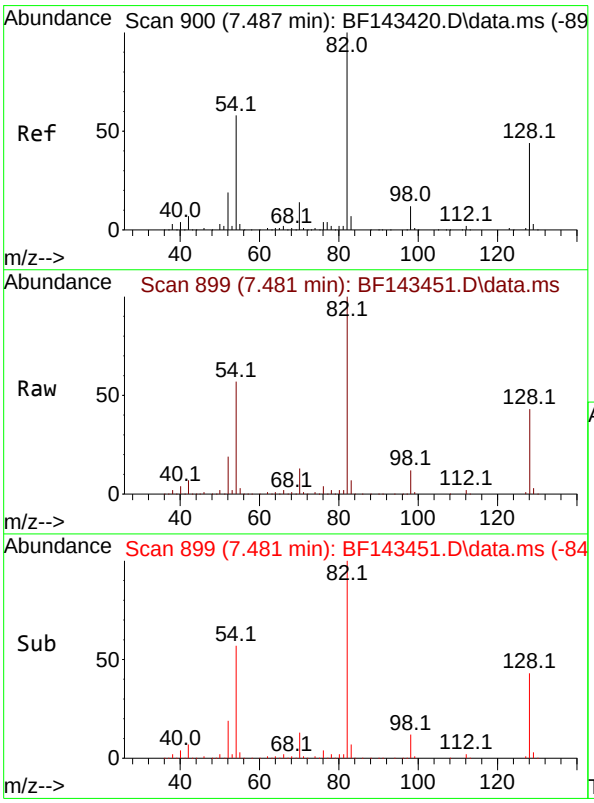
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Tgt Ion:136 Resp: 363238

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	9.7	7.8	11.8
68	6.5	5.2	7.8

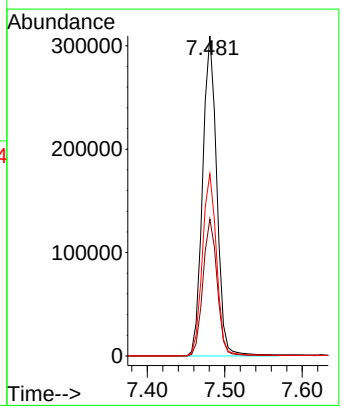


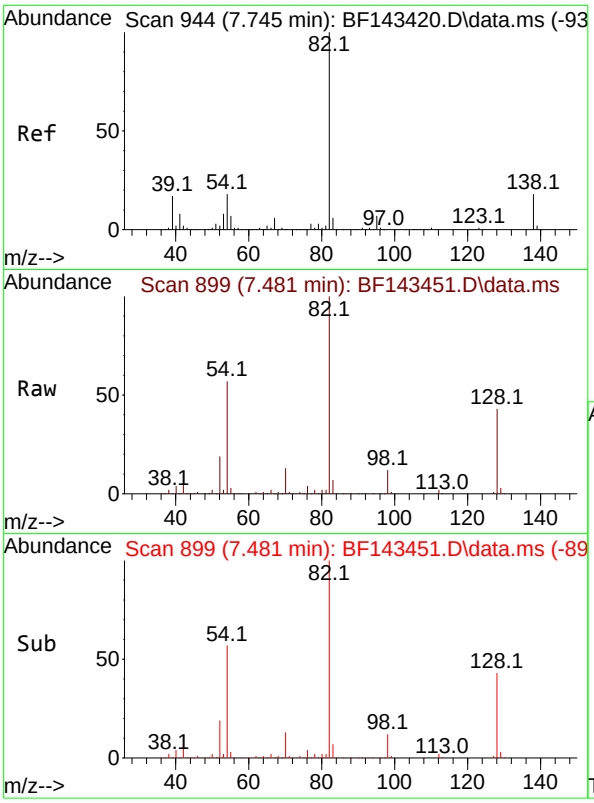


#23
Nitrobenzene-d5
Concen: 64.415 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion: 82 Resp: 394310

Ion	Ratio	Lower	Upper
82	100		
128	42.8	34.6	52.0
54	56.9	46.0	69.0



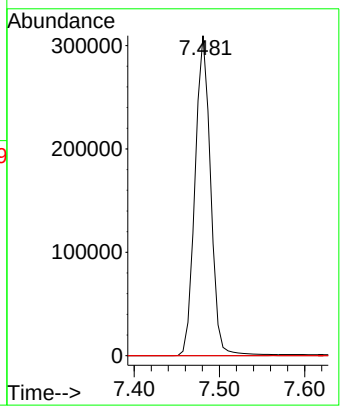


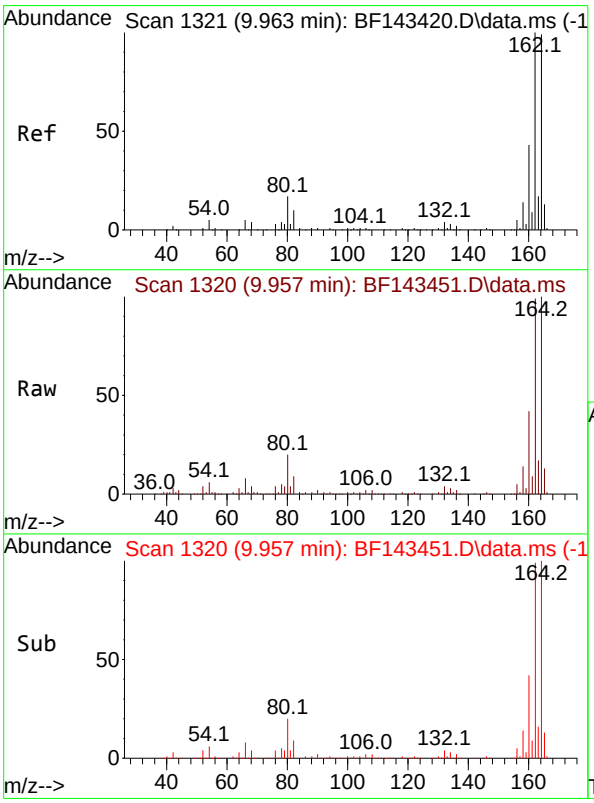
#25
Isophorone
Concen: 33.499 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.265 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Tgt Ion: 82 Resp: 392469

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.3	21.5#

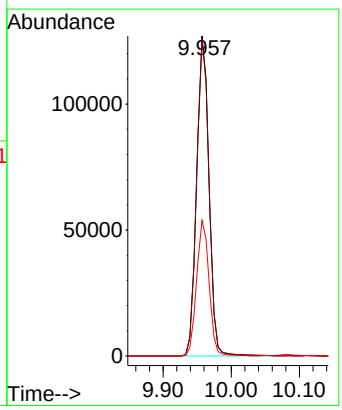


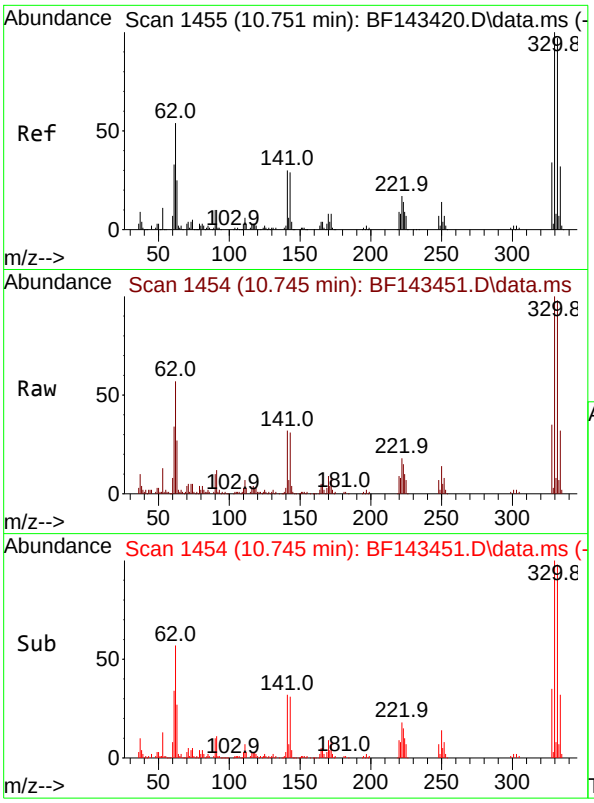


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion:164 Resp: 160000

Ion	Ratio	Lower	Upper
164	100		
162	98.9	80.6	121.0
160	42.4	34.6	51.8



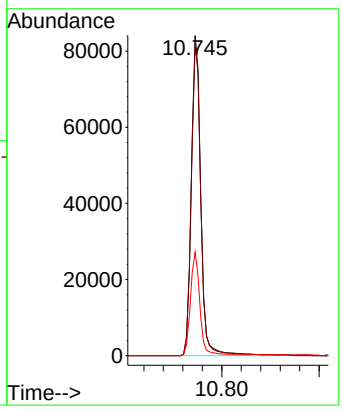


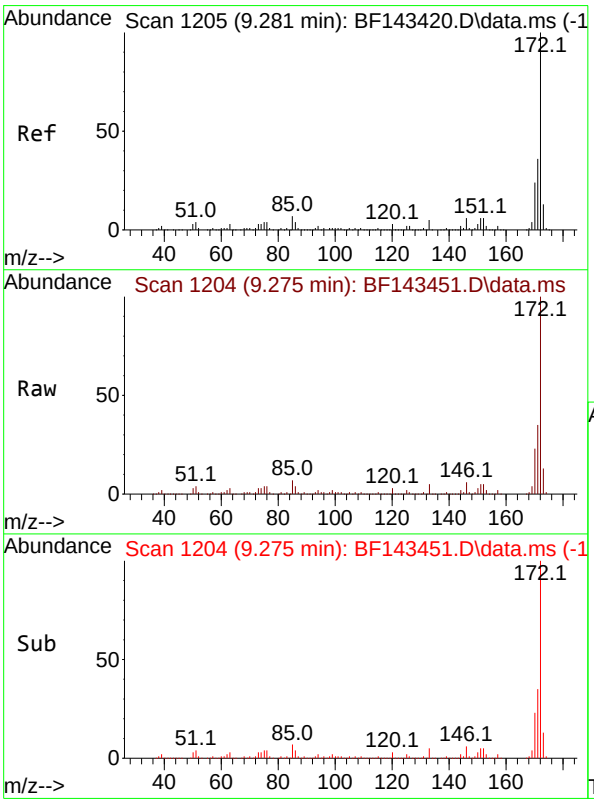
#42
2,4,6-Tribromophenol
Concen: 80.524 ng
RT: 10.745 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Tgt Ion:330 Resp: 114676

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.4	116.2
141	32.2	24.1	36.1

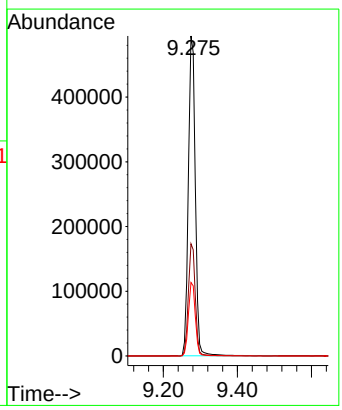


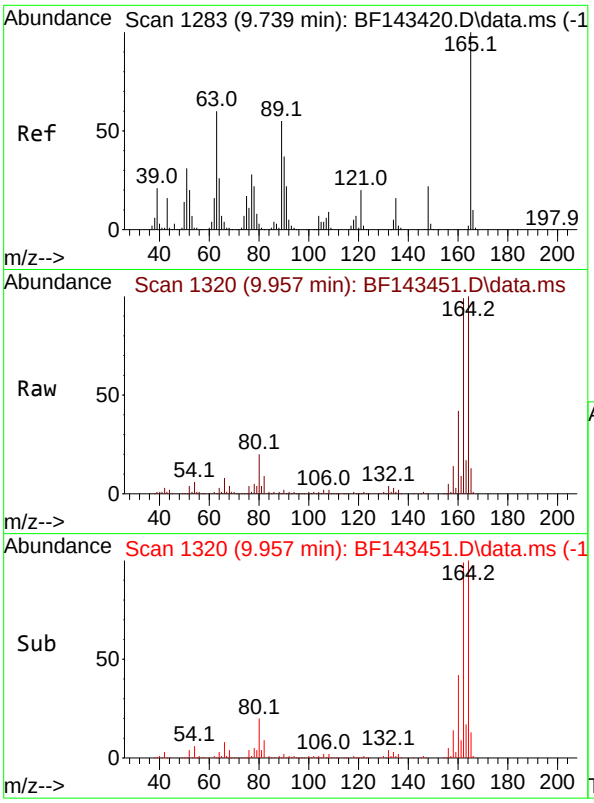


#45
2-Fluorobiphenyl
Concen: 67.453 ng
RT: 9.275 min Scan# 1204
Delta R.T. -0.006 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion:172 Resp: 641653

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.7	43.1
170	23.0	19.0	28.6



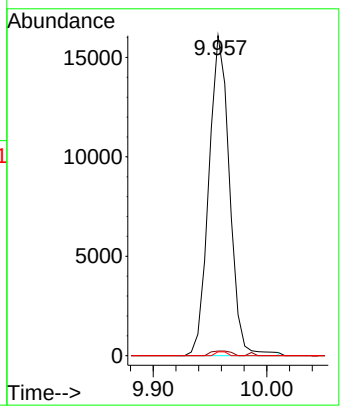


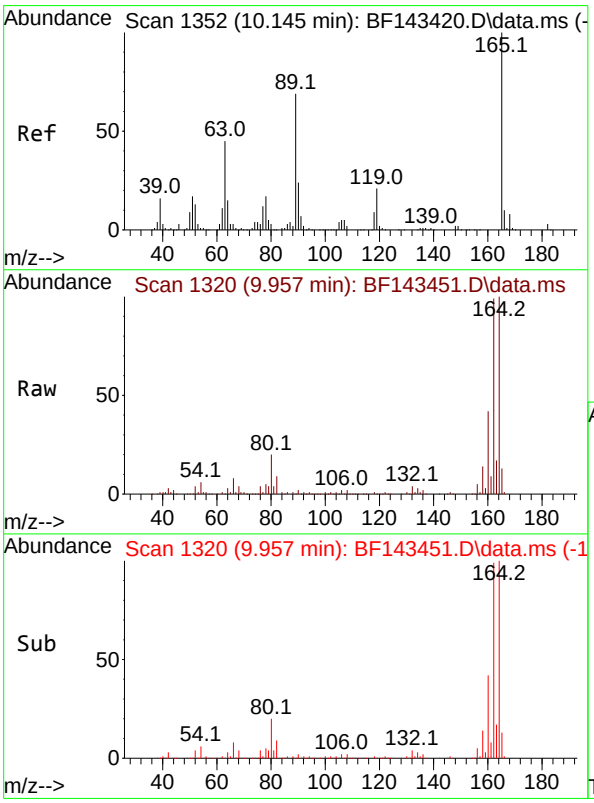
#51
2,6-Dinitrotoluene
Concen: 10.360 ng
RT: 9.957 min Scan# 1
Delta R.T. 0.218 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Tgt Ion:165 Resp: 20373

Ion	Ratio	Lower	Upper
165	100		
63	1.5	48.2	72.2#
89	1.2	44.2	66.2#

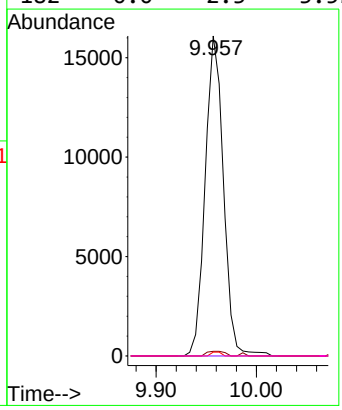


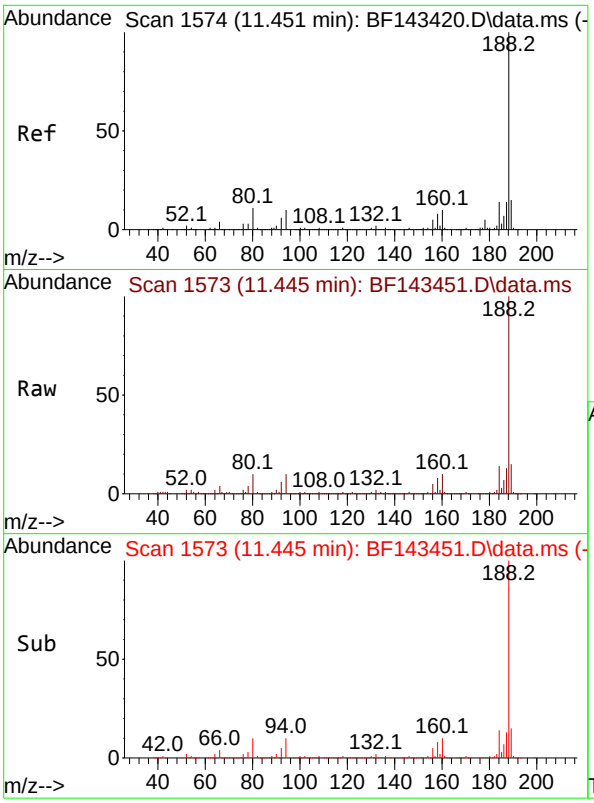


#57
2,4-Dinitrotoluene
Concen: 7.771 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.188 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion:165 Resp: 20374

Ion	Ratio	Lower	Upper
165	100		
63	1.5	37.0	55.6#
89	1.2	55.4	83.0#
182	0.0	2.3	3.5#



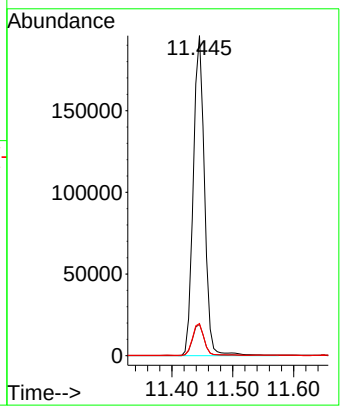


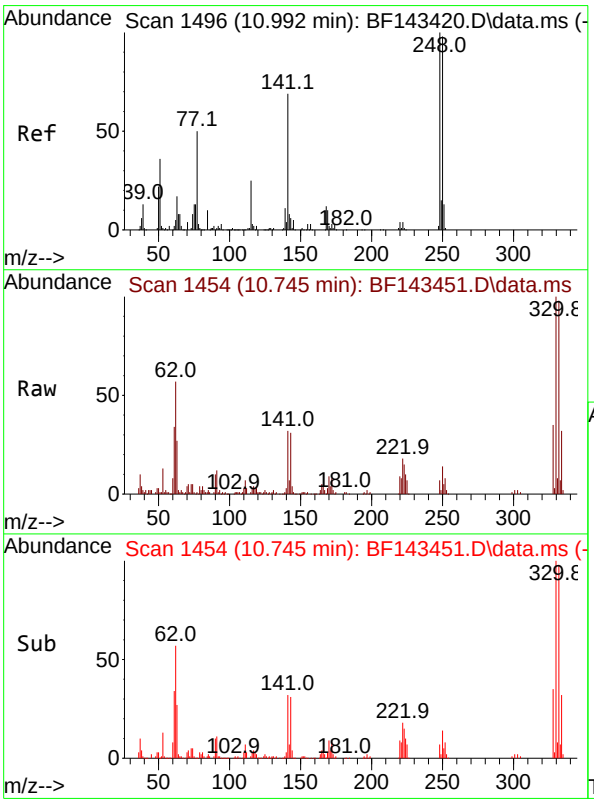
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Tgt Ion:188 Resp: 250451

Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.0	12.0
80	10.0	8.6	12.8

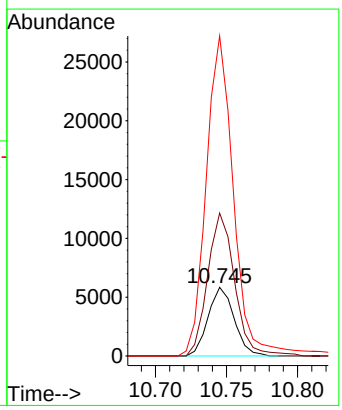


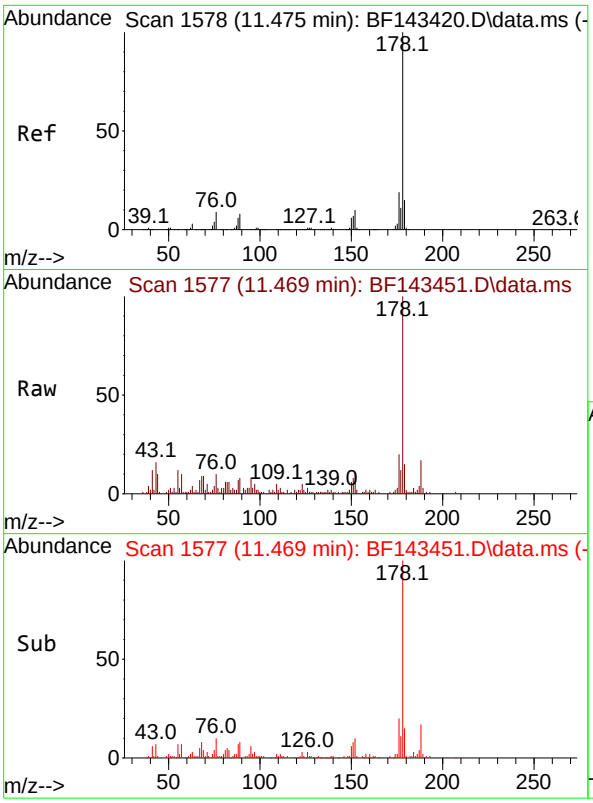


#67
4-Bromophenyl-phenylether
Concen: 2.530 ng
RT: 10.745 min Scan# 1454
Delta R.T. -0.247 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion:248 Resp: 7482

Ion	Ratio	Lower	Upper
248	100		
250	208.2	78.6	118.0#
141	466.3	54.9	82.3#



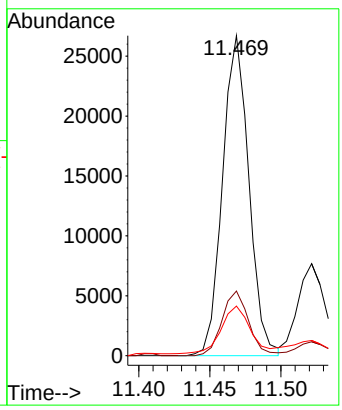


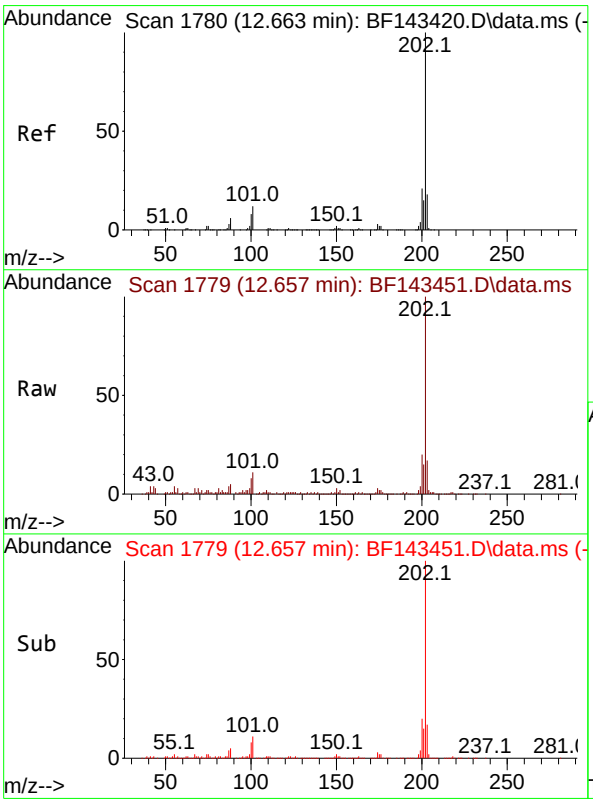
#71
Phenanthrene
Concen: 2.536 ng
RT: 11.469 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Tgt Ion:178 Resp: 34395

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.4	23.0
179	15.5	12.3	18.5

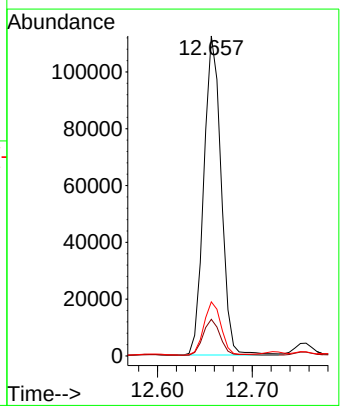


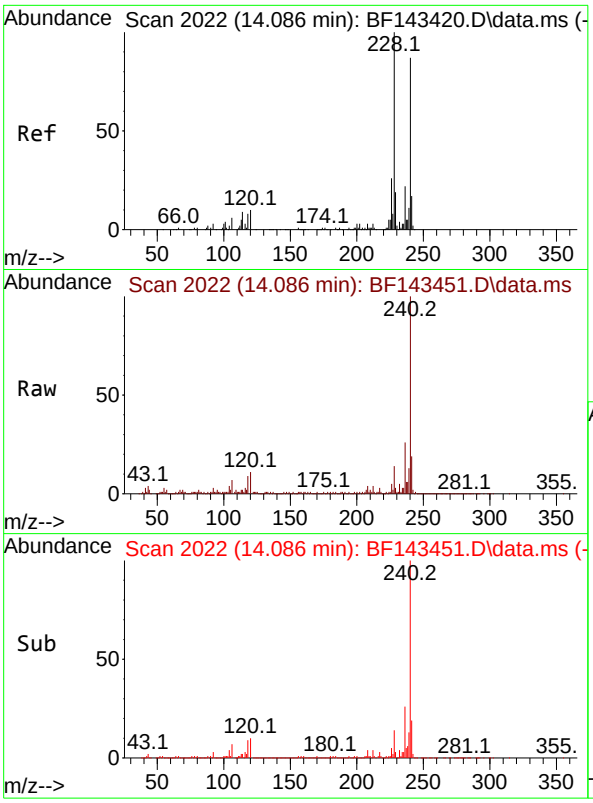


#75
Fluoranthene
Concen: 11.839 ng
RT: 12.657 min Scan# 1779
Delta R.T. -0.006 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion:202 Resp: 142665

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.5
203	16.9	0.0	37.5



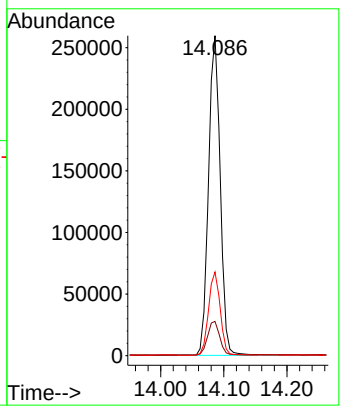


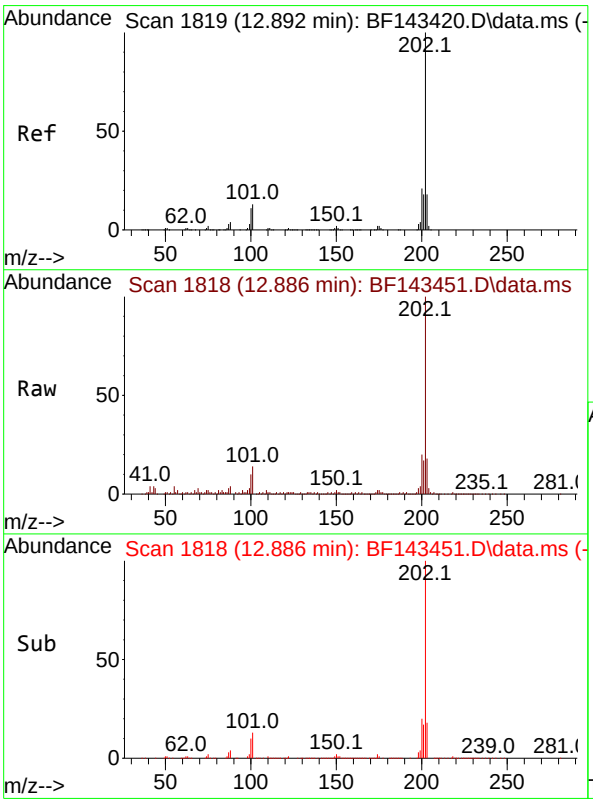
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Tgt Ion:240 Resp: 332982

Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.0	13.4
236	26.2	20.2	30.2

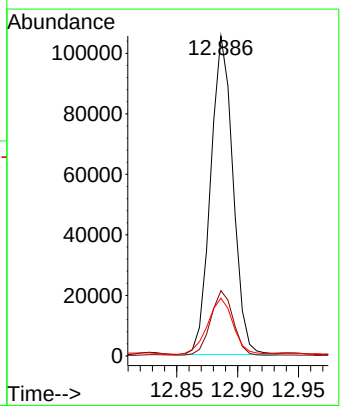


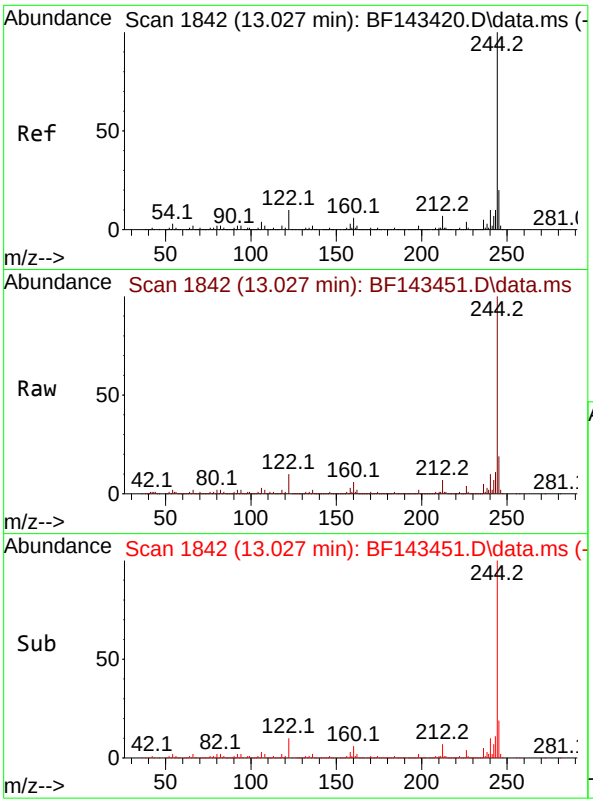


#78
Pyrene
Concen: 4.658 ng
RT: 12.886 min Scan# 1818
Delta R.T. -0.006 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion:202 Resp: 134822

Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.1	25.7
203	18.1	14.2	21.2



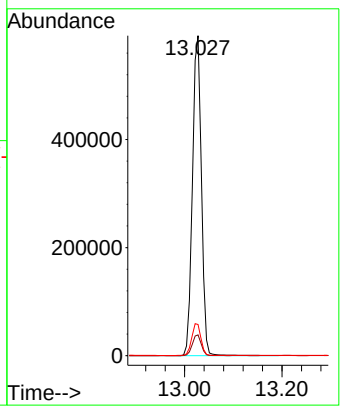


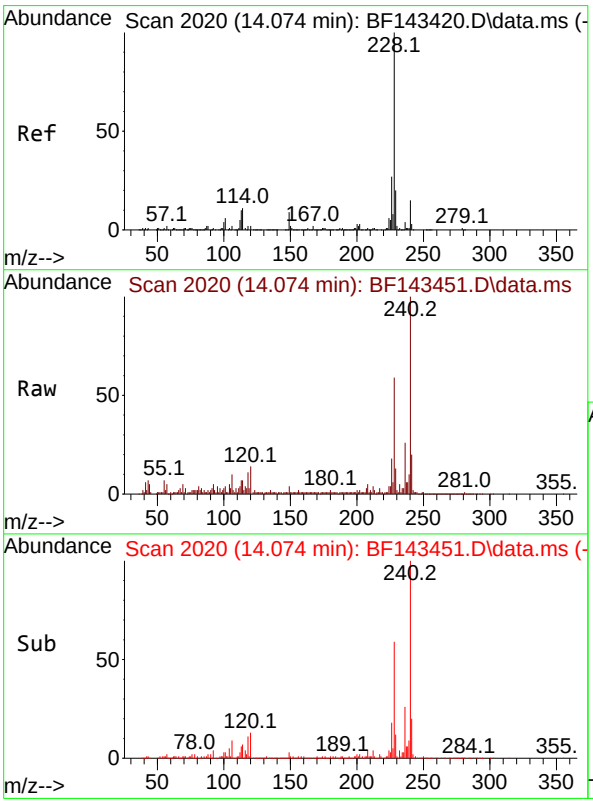
#79
Terphenyl-d14
Concen: 38.426 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Tgt Ion:244 Resp: 761672

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	9.8	8.3	12.5

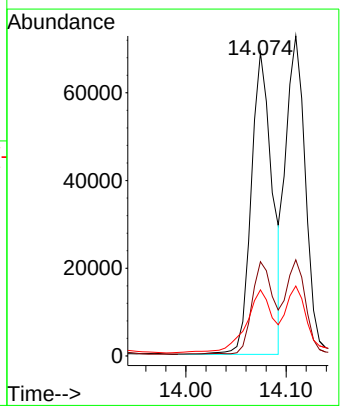


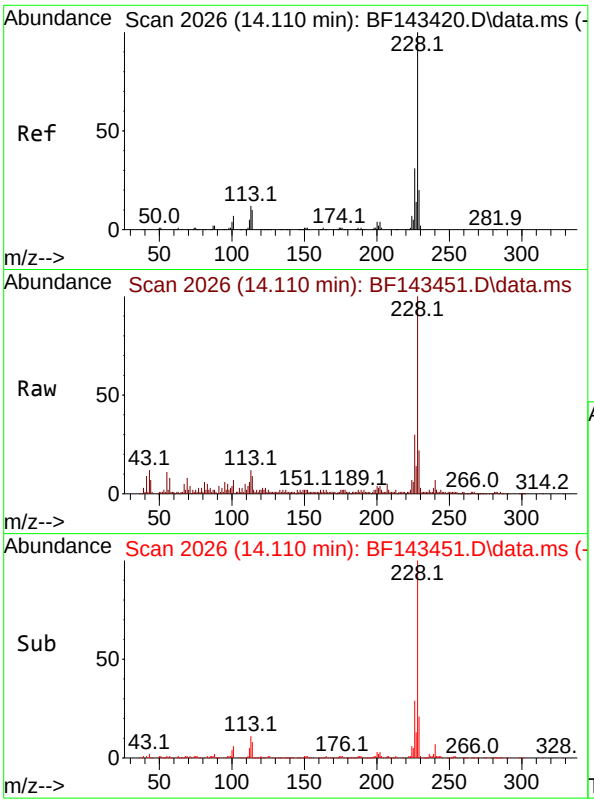


#81
Benzo(a)anthracene
Concen: 4.728 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion:228 Resp: 100221

Ion	Ratio	Lower	Upper
228	100		
226	31.0	21.5	32.3
229	21.8	15.7	23.5



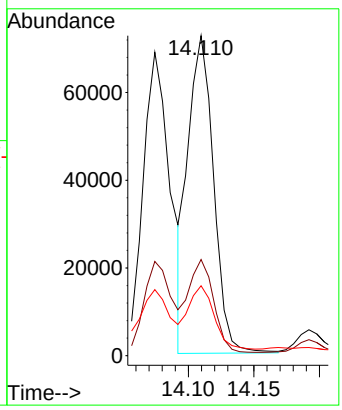


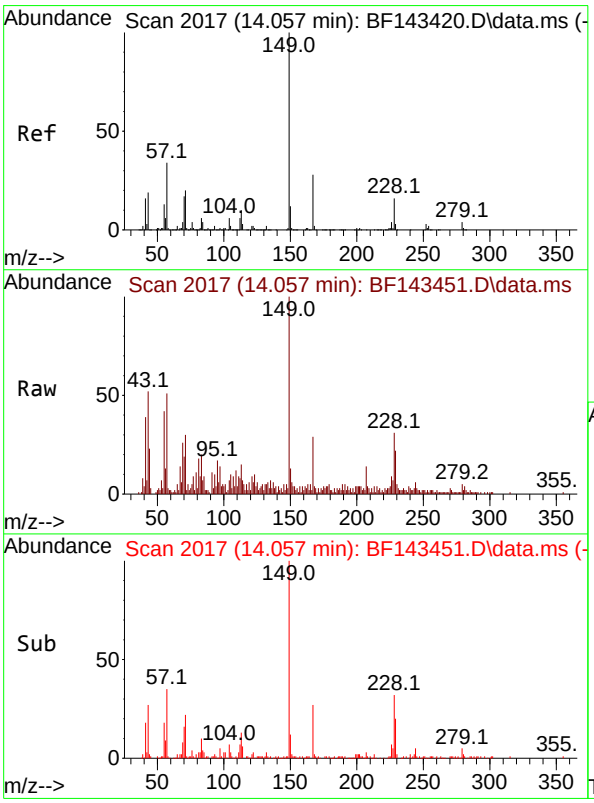
#83
Chrysene
Concen: 5.022 ng
RT: 14.110 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Tgt Ion:228 Resp: 98423

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.3	36.5
229	21.8	16.1	24.1

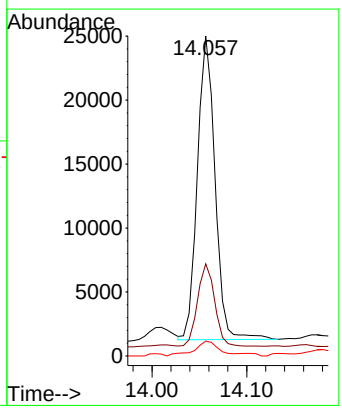


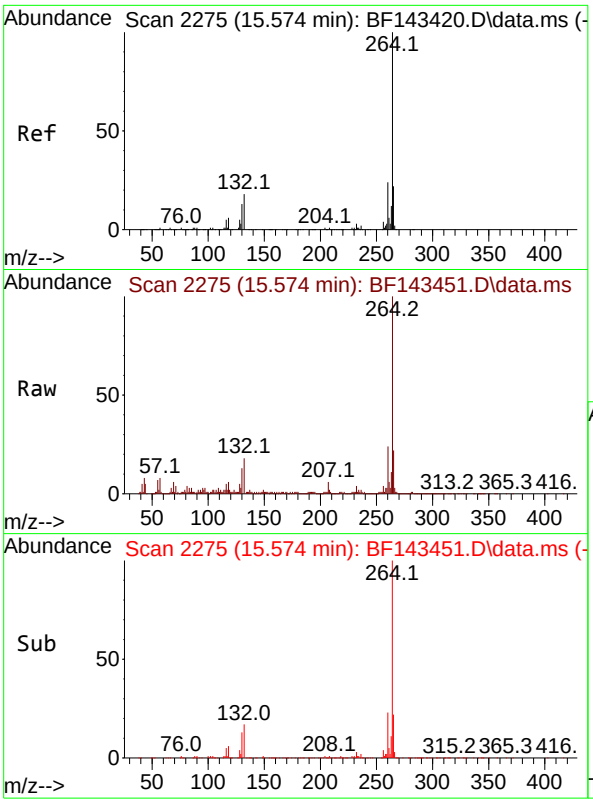


#84
Bis(2-ethylhexyl)phthalate
Concen: 3.023 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion:149 Resp: 30771

Ion	Ratio	Lower	Upper
149	100		
167	28.8	22.6	33.8
279	4.7	3.5	5.3



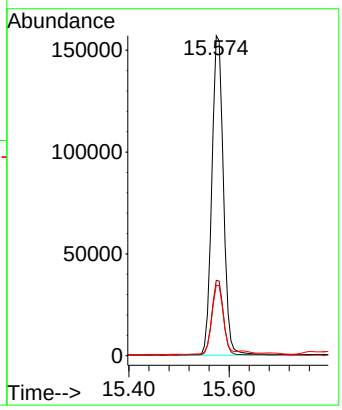


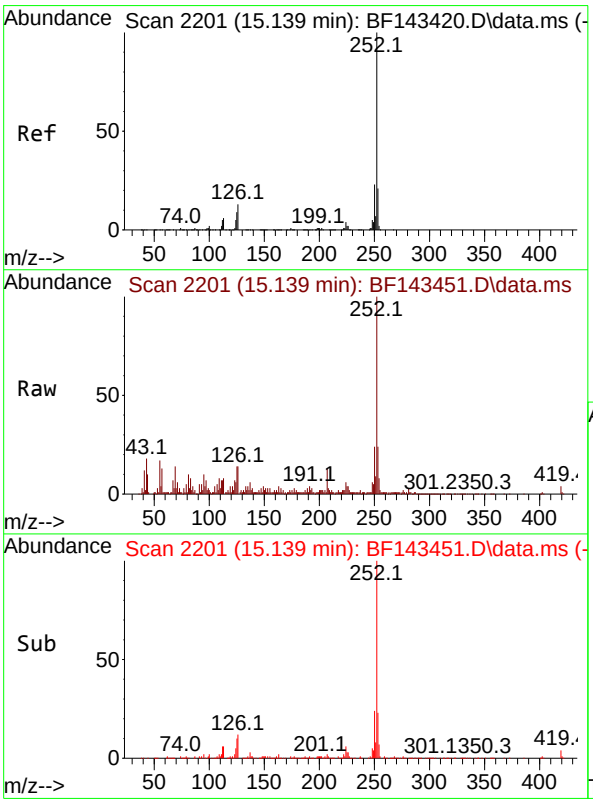
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Tgt Ion:264 Resp: 251746

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.8	28.2
265	22.1	17.4	26.0

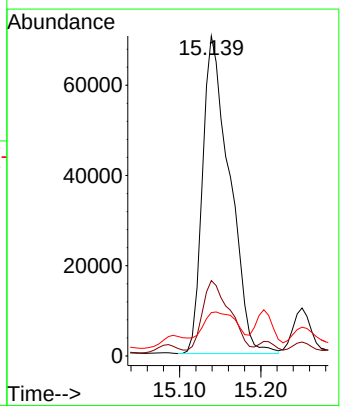


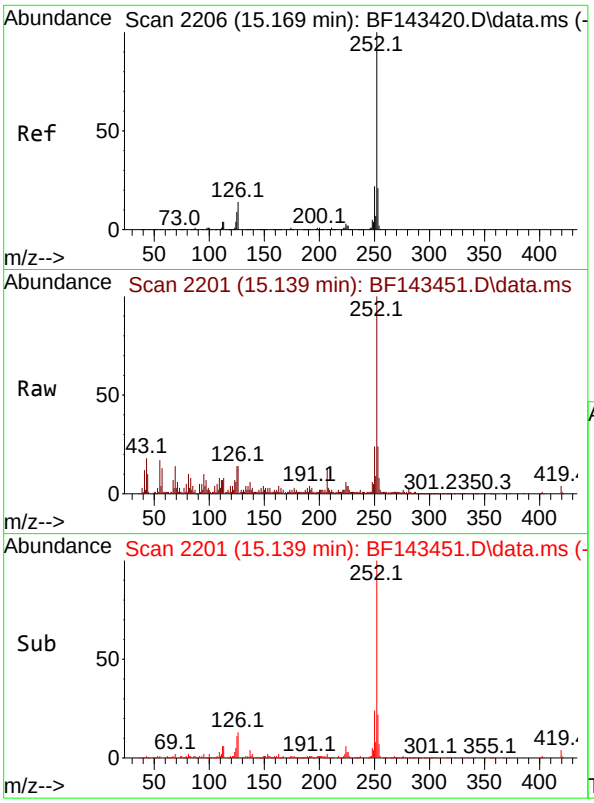


#88
Benzo(b)fluoranthene
Concen: 12.080 ng
RT: 15.139 min Scan# 2201
Delta R.T. -0.000 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion:252 Resp: 162994

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	13.6	7.5	11.3#



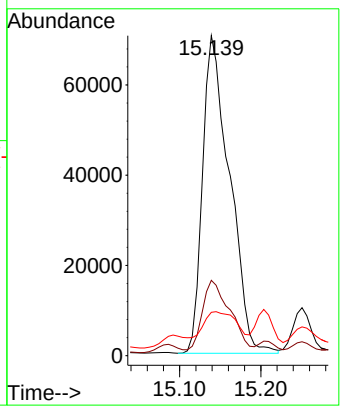


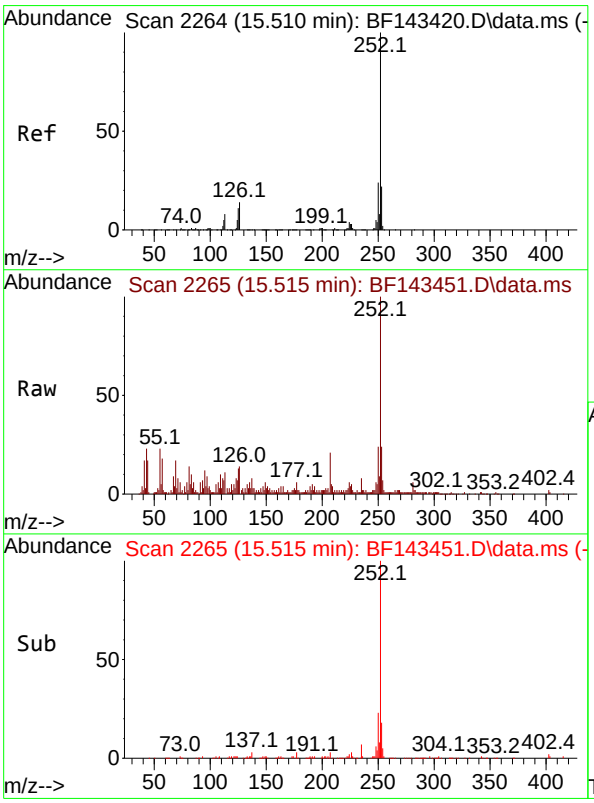
#89
Benzo(k)fluoranthene
Concen: 12.248 ng
RT: 15.139 min Scan# 2
Delta R.T. -0.030 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Tgt Ion:252 Resp: 162994

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.2	25.8
125	13.6	7.4	11.2#

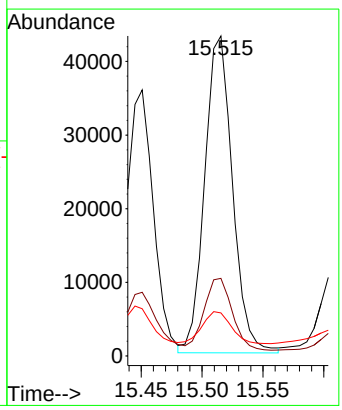


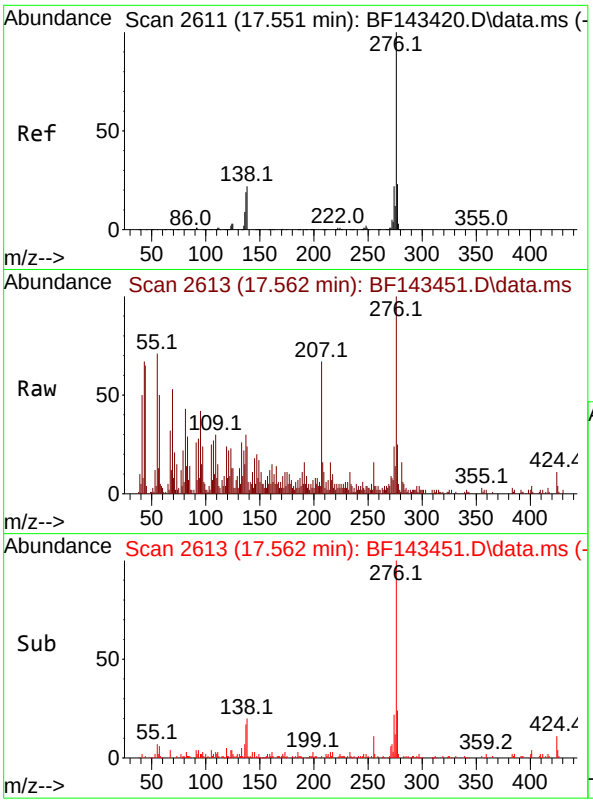


#90
Benzo(a)pyrene
Concen: 5.330 ng
RT: 15.515 min Scan# 2265
Delta R.T. 0.006 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Tgt Ion:252 Resp: 68496

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.4	26.2
125	13.5	8.6	12.8#



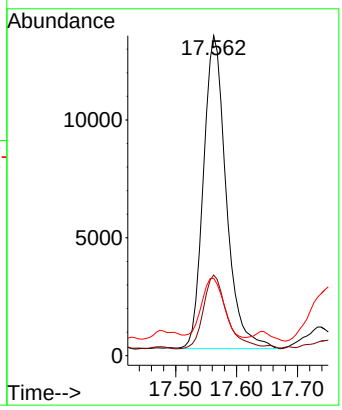


#92
Benzo(g,h,i)perylene
Concen: 2.282 ng
RT: 17.562 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143451.D
Acq: 19 Aug 2025 12:33

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Tgt Ion:276 Resp: 34558

Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.7	28.1
138	24.2	17.5	26.3



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143452.D
Acq On : 19 Aug 2025 13:01
Operator : RC/JU
Sample : Q2879-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Quant Time: Aug 19 19:21:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

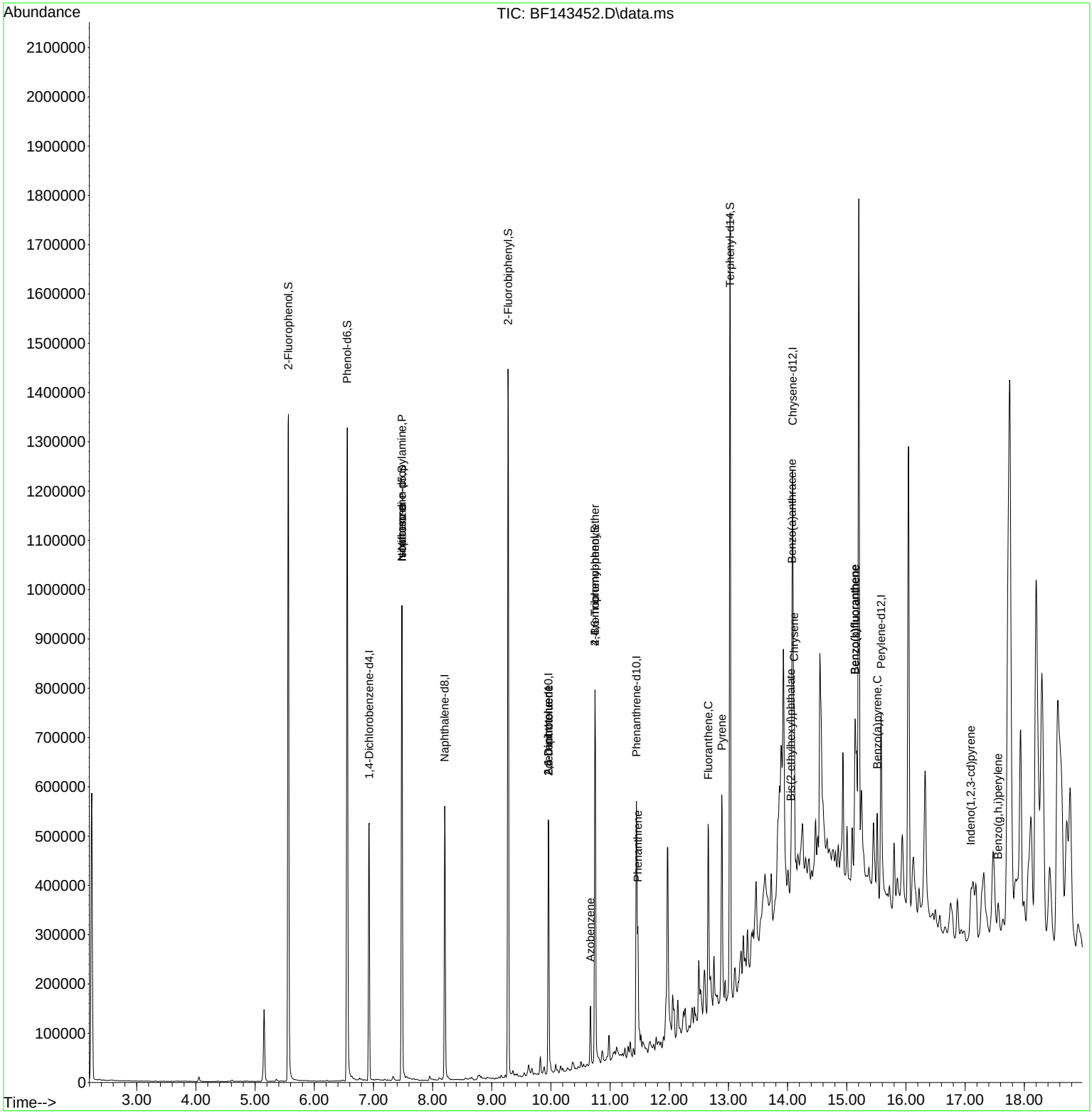
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	111871	20.000	ng		0.00
21) Naphthalene-d8	8.204	136	347487	20.000	ng		0.00
39) Acenaphthene-d10	9.957	164	150668	20.000	ng		0.00
64) Phenanthrene-d10	11.445	188	255855	20.000	ng		0.00
76) Chrysene-d12	14.086	240	317101	20.000	ng		0.00
86) Perylene-d12	15.580	264	213178	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.563	112	511842	79.533	ng		0.00
7) Phenol-d6	6.557	99	597843	73.714	ng		0.00
23) Nitrobenzene-d5	7.481	82	409547	69.937	ng		0.00
42) 2,4,6-Tribromophenol	10.745	330	126721	94.493	ng		0.00
45) 2-Fluorobiphenyl	9.275	172	638703	71.302	ng		0.00
79) Terphenyl-d14	13.027	244	763485	40.446	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	54671	10.889	ng	#	78
25) Isophorone	7.481	82	406932	36.308	ng	#	65
51) 2,6-Dinitrotoluene	9.957	165	20146	10.879	ng	#	24
57) 2,4-Dinitrotoluene	9.957	165	20146	8.160	ng	#	25
63) Azobenzene	10.669	77	29488	3.361	ng	#	1
67) 4-Bromophenyl-phenylether	10.745	248	8732	2.890	ng	#	1
71) Phenanthrene	11.469	178	119727	8.641	ng		99
75) Fluoranthene	12.657	202	208878	16.967	ng		99
78) Pyrene	12.886	202	241733	8.771	ng		99
81) Benzo(a)anthracene	14.074	228	190874	9.455	ng		95
83) Chrysene	14.110	228	200424	10.739	ng		98
84) Bis(2-ethylhexyl)phtha...	14.057	149	25990	2.681	ng	#	98
87) Indeno(1,2,3-cd)pyrene	17.098	276	57299	3.584	ng		96
88) Benzo(b)fluoranthene	15.139	252	264689	23.167	ng	#	96
89) Benzo(k)fluoranthene	15.139	252	264689	23.488	ng	#	96
90) Benzo(a)pyrene	15.515	252	102742	9.441	ng		97
92) Benzo(g,h,i)perylene	17.556	276	55171	4.302	ng		96

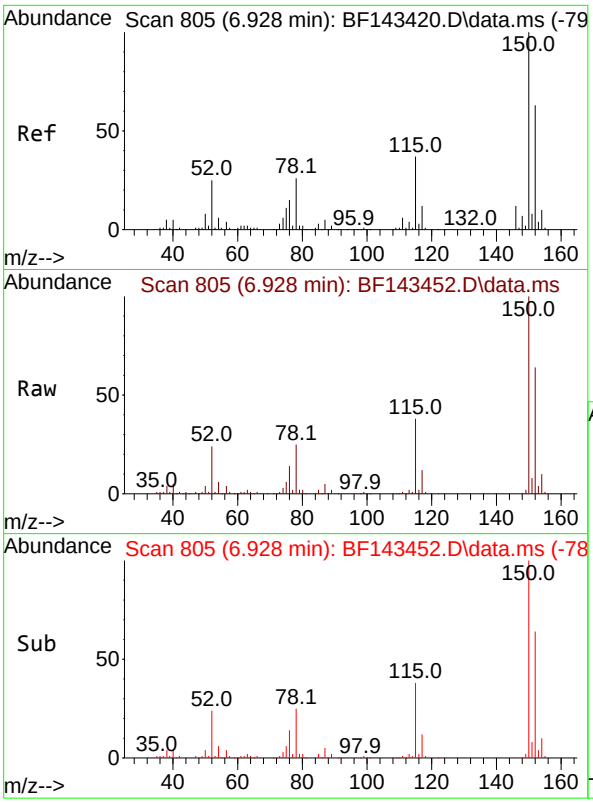
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143452.D
Acq On : 19 Aug 2025 13:01
Operator : RC/JU
Sample : Q2879-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Quant Time: Aug 19 19:21:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration



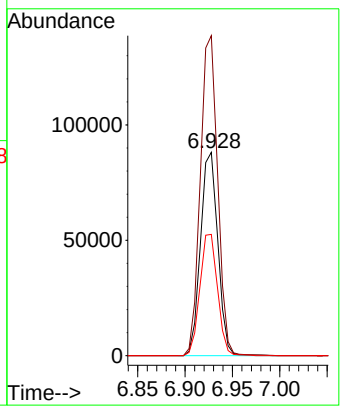


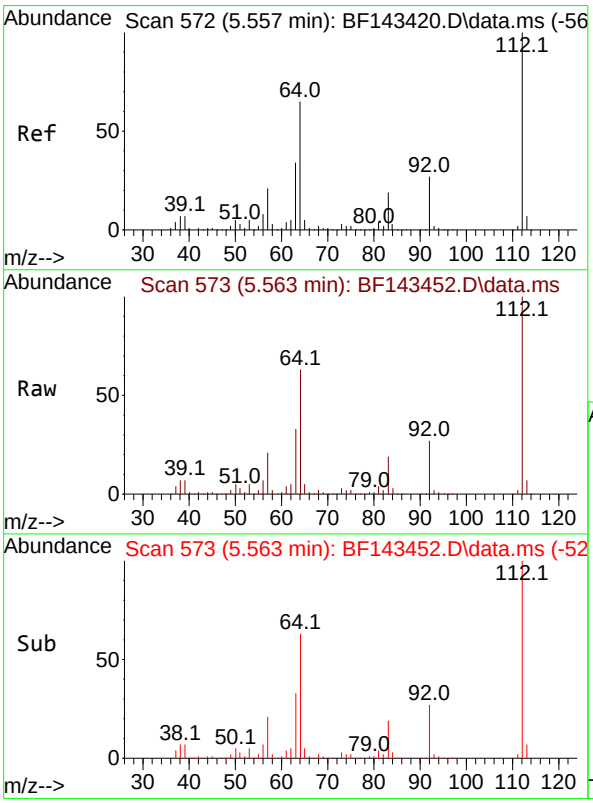
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Tgt Ion:152 Resp: 111871

Ion	Ratio	Lower	Upper
152	100		
150	157.4	127.4	191.2
115	59.7	47.5	71.3

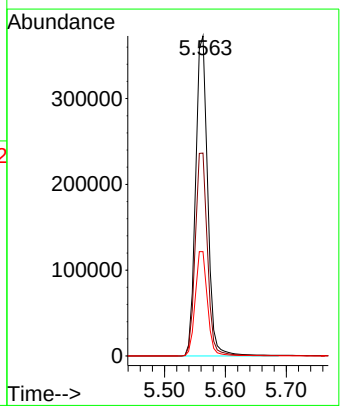


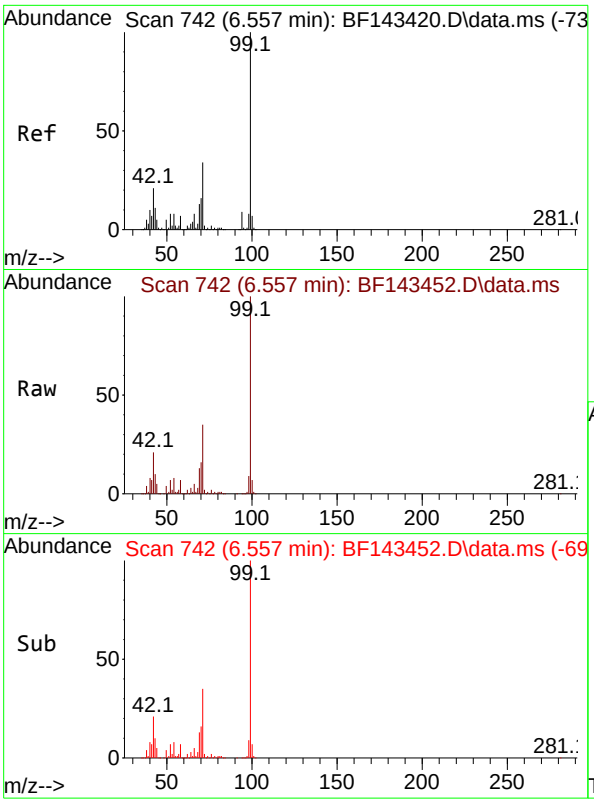


#5
2-Fluorophenol
Concen: 79.533 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:112 Resp: 511842

Ion	Ratio	Lower	Upper
112	100		
64	63.4	52.2	78.2
63	32.6	27.0	40.6



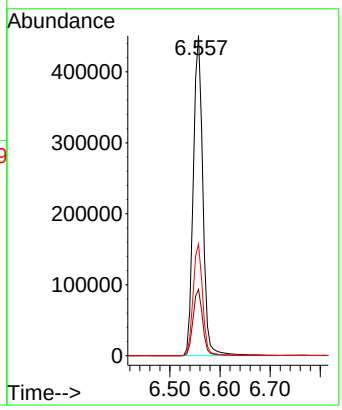


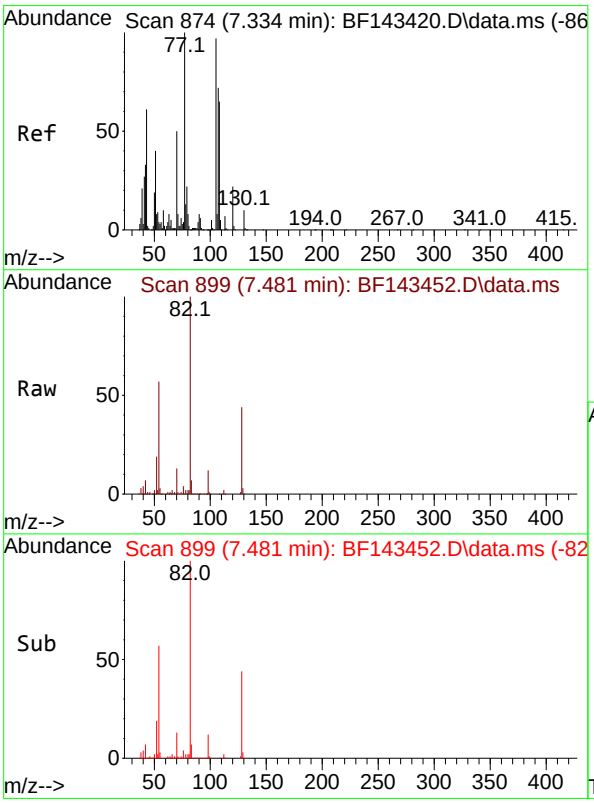
#7
Phenol-d6
Concen: 73.714 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Tgt Ion: 99 Resp: 597843

Ion	Ratio	Lower	Upper
99	100		
42	20.7	17.0	25.6
71	34.9	27.4	41.2

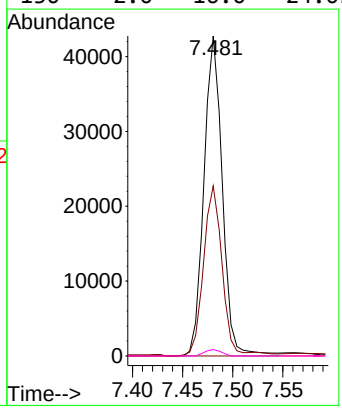


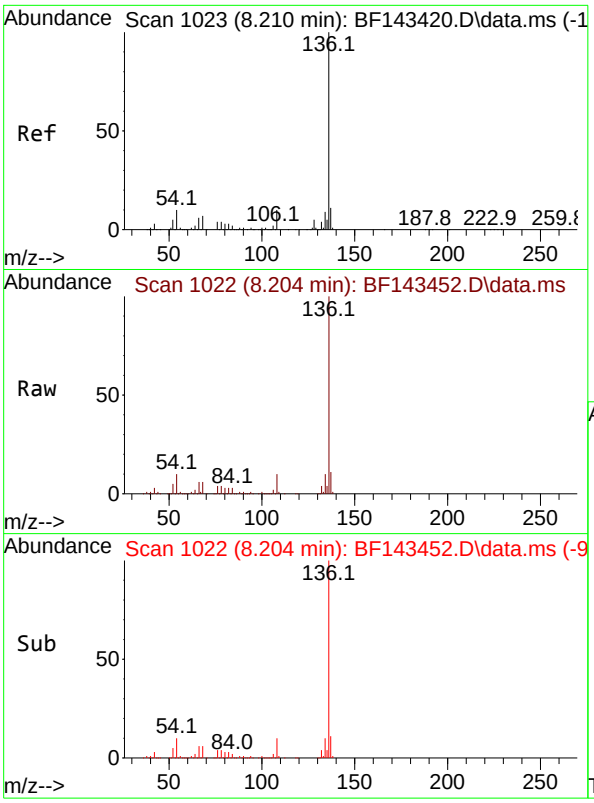


#19
n-Nitroso-di-n-propylamine
Concen: 10.889 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.147 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion: 70 Resp: 54671

Ion	Ratio	Lower	Upper
70	100		
42	53.2	52.5	78.7
101	0.0	7.9	11.9#
130	2.0	16.0	24.0#



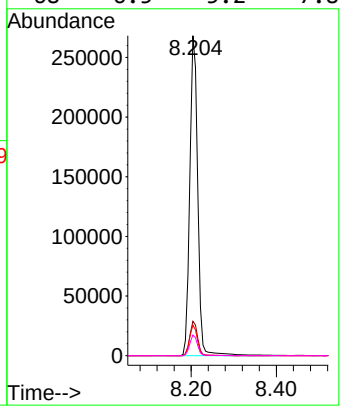


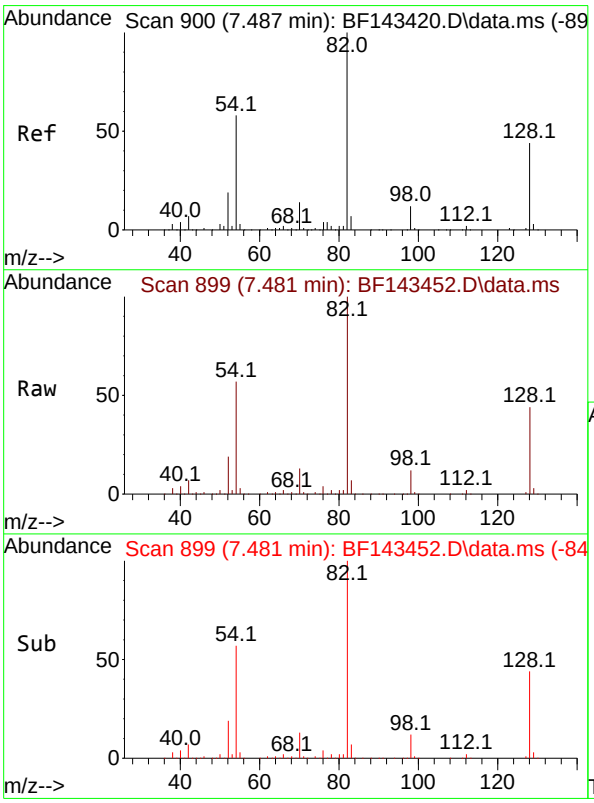
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Tgt Ion:136 Resp: 347487

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	9.6	7.8	11.8
68	6.5	5.2	7.8

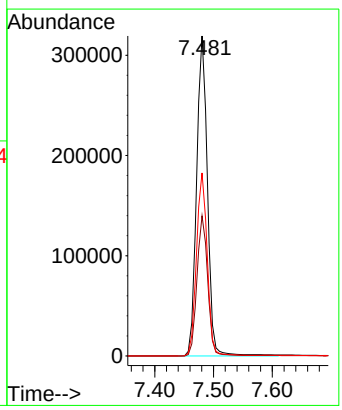


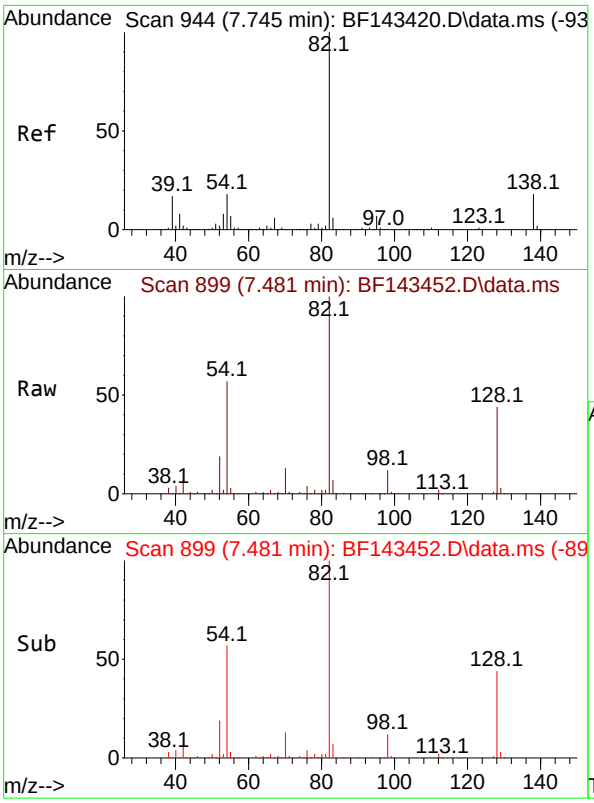


#23
Nitrobenzene-d5
Concen: 69.937 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion: 82 Resp: 409547

Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.6	52.0
54	57.2	46.0	69.0



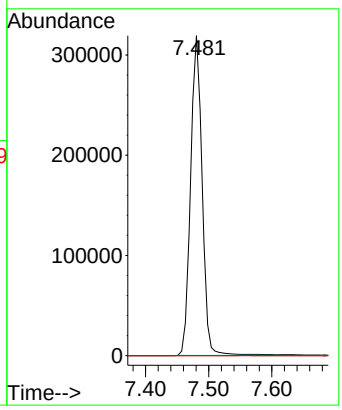


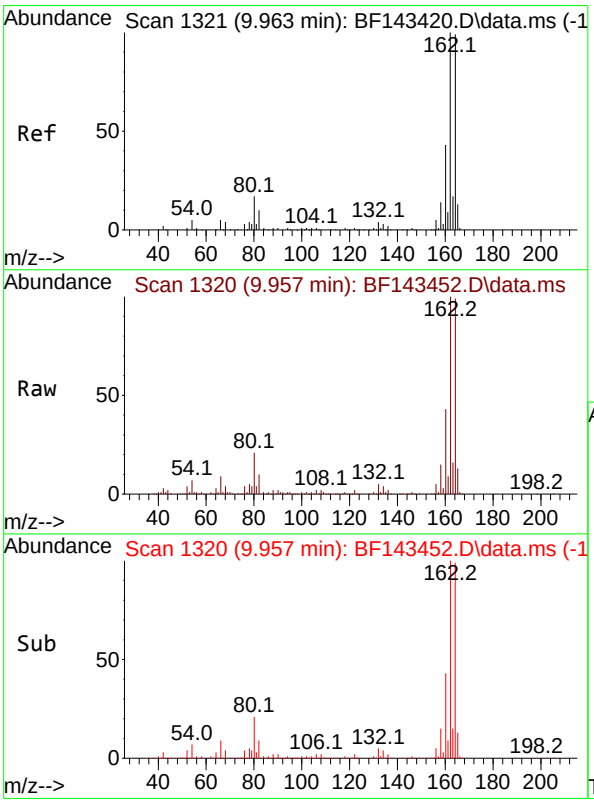
#25
Isophorone
Concen: 36.308 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.265 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Tgt Ion: 82 Resp: 406932

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.3	21.5#

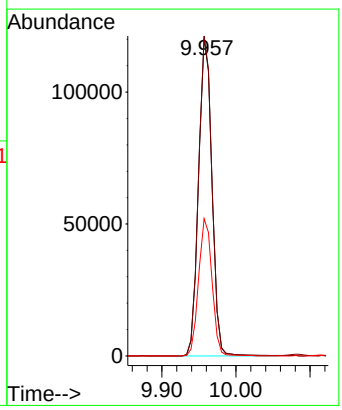


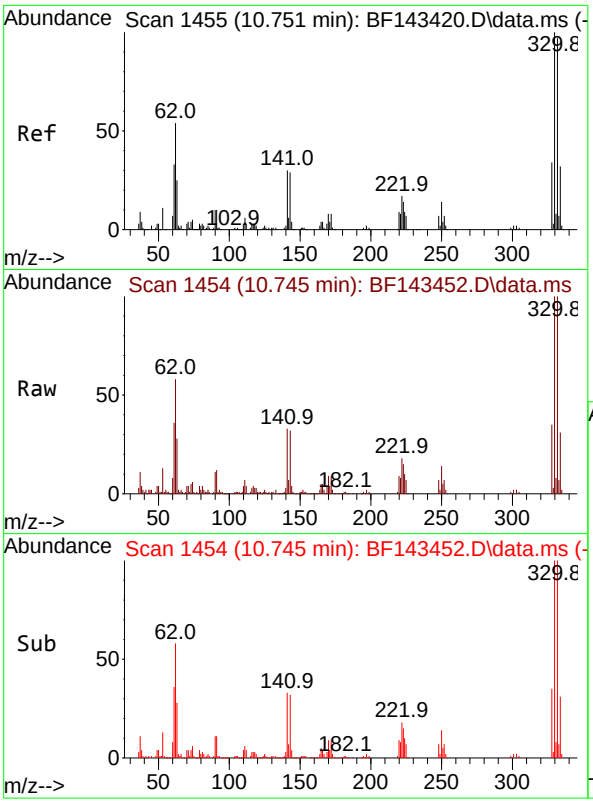


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:164 Resp: 150668

Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.6	121.0
160	43.2	34.6	51.8



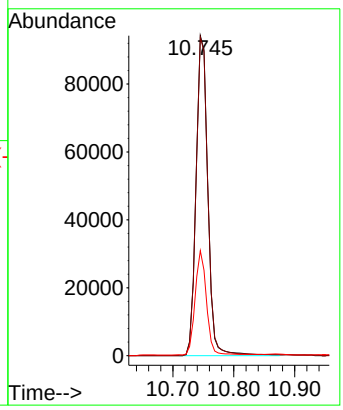


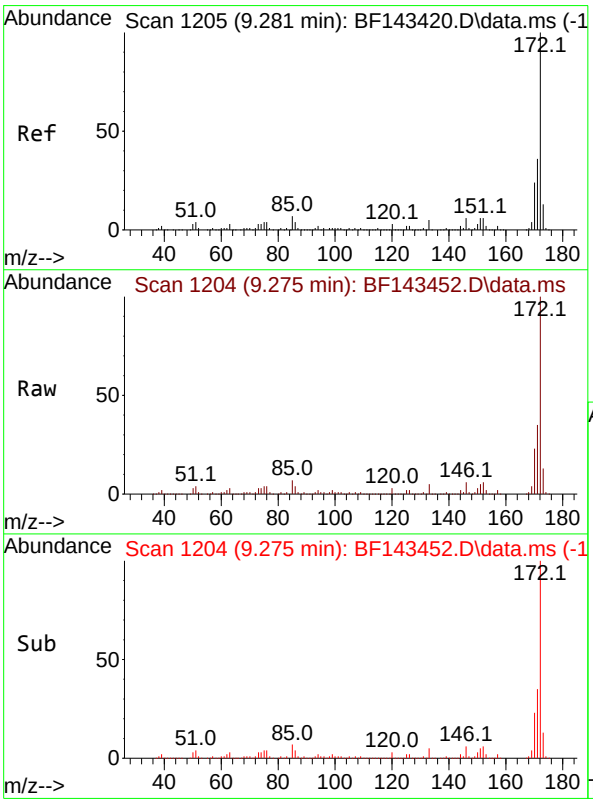
#42
2,4,6-Tribromophenol
Concen: 94.493 ng
RT: 10.745 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Tgt Ion:330 Resp: 126721

Ion	Ratio	Lower	Upper
330	100		
332	99.5	77.4	116.2
141	31.7	24.1	36.1

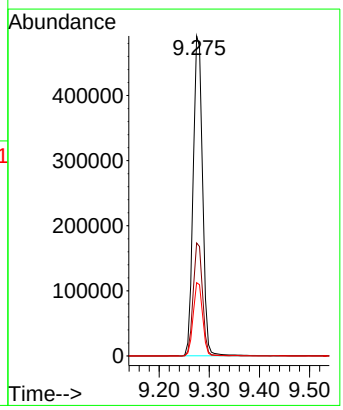


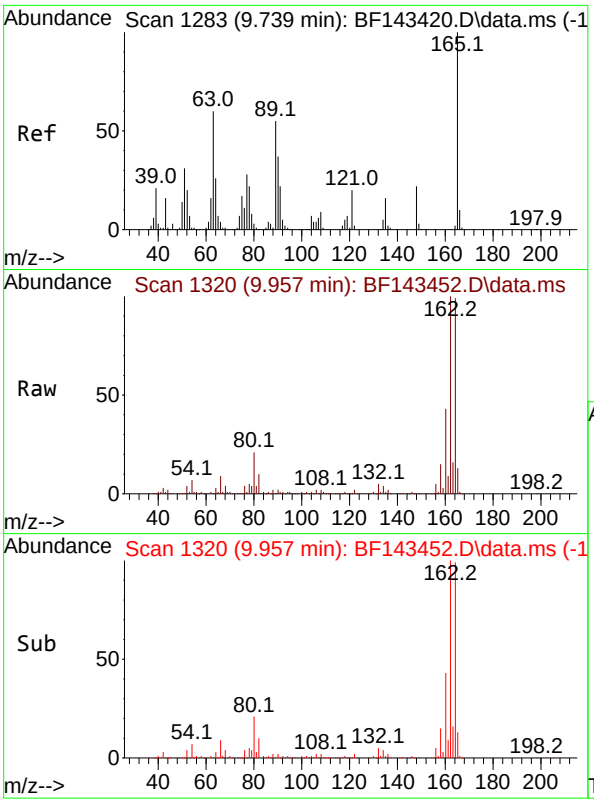


#45
2-Fluorobiphenyl
Concen: 71.302 ng
RT: 9.275 min Scan# 1204
Delta R.T. -0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:172 Resp: 638703

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.7	43.1
170	22.9	19.0	28.6



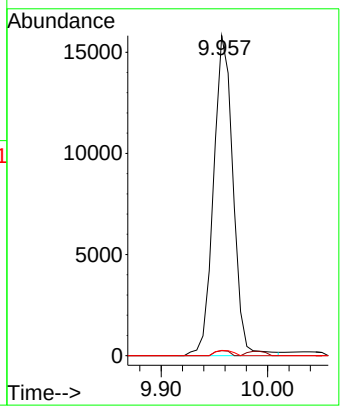


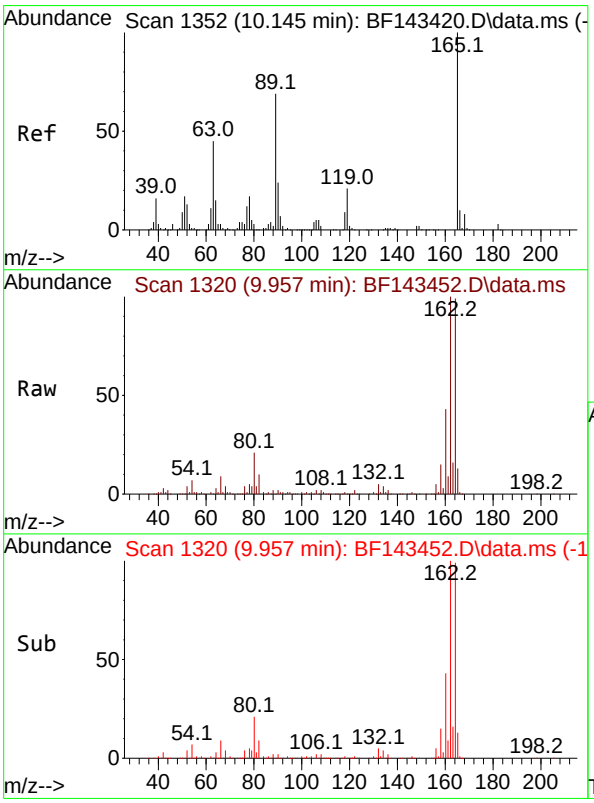
#51
2,6-Dinitrotoluene
Concen: 10.879 ng
RT: 9.957 min Scan# 1
Delta R.T. 0.217 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Tgt Ion:165 Resp: 20146

Ion	Ratio	Lower	Upper
165	100		
63	1.6	48.2	72.2#
89	1.6	44.2	66.2#

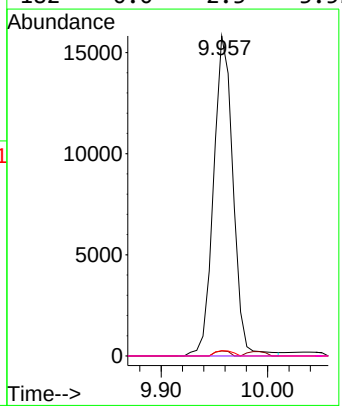


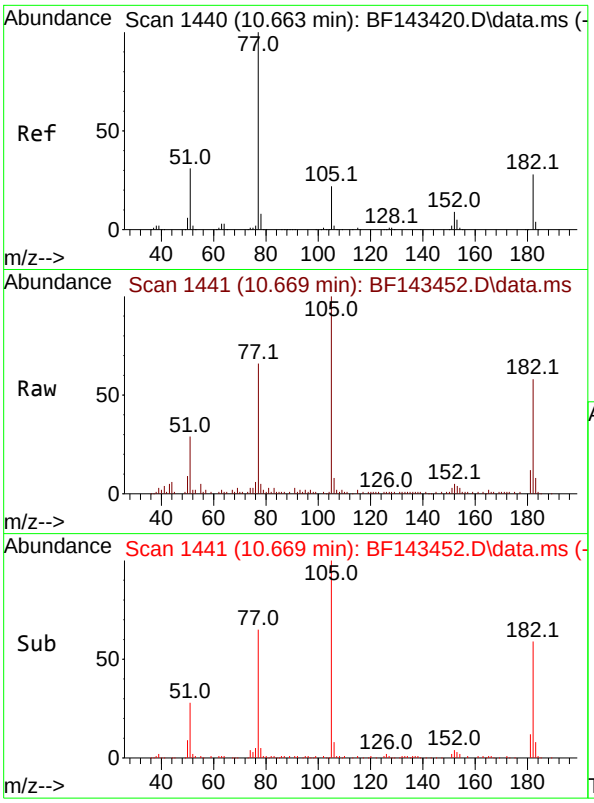


#57
2,4-Dinitrotoluene
Concen: 8.160 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.188 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:165 Resp: 20146

Ion	Ratio	Lower	Upper
165	100		
63	1.6	37.0	55.6#
89	1.6	55.4	83.0#
182	0.0	2.3	3.5#



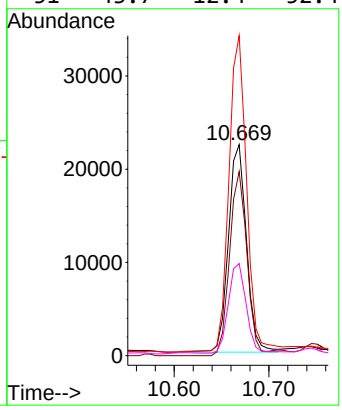


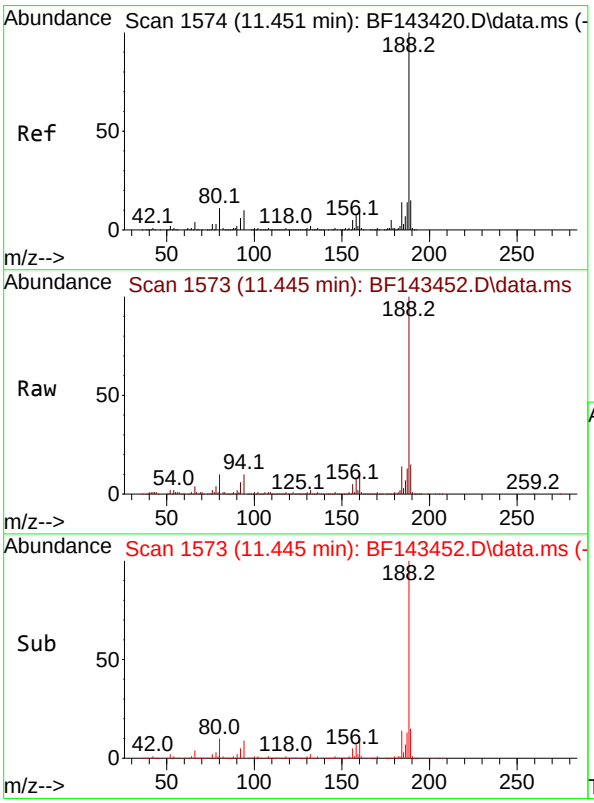
#63
Azobenzene
Concen: 3.361 ng
RT: 10.669 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Tgt Ion: 77 Resp: 29488

Ion	Ratio	Lower	Upper
77	100		
182	87.2	7.4	47.4#
105	151.6	1.7	41.7#
51	43.7	12.4	52.4

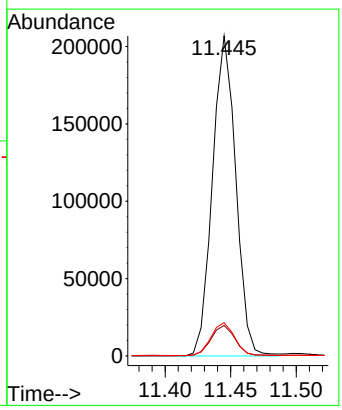


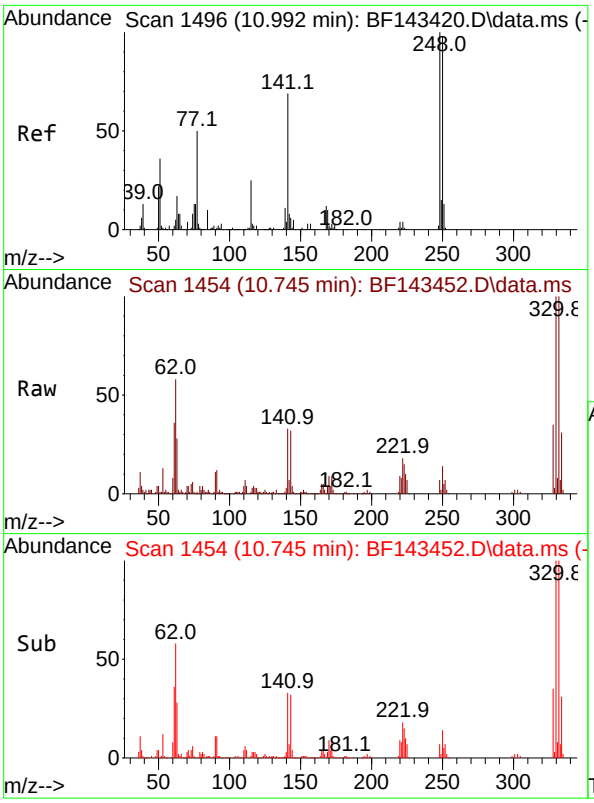


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:188 Resp: 255855

Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.0	12.0
80	10.4	8.6	12.8



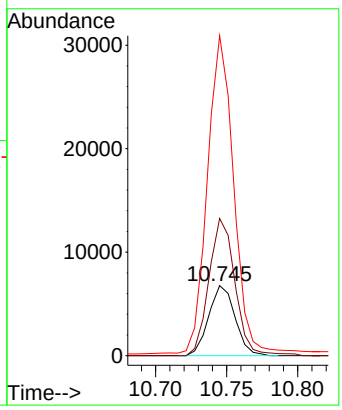


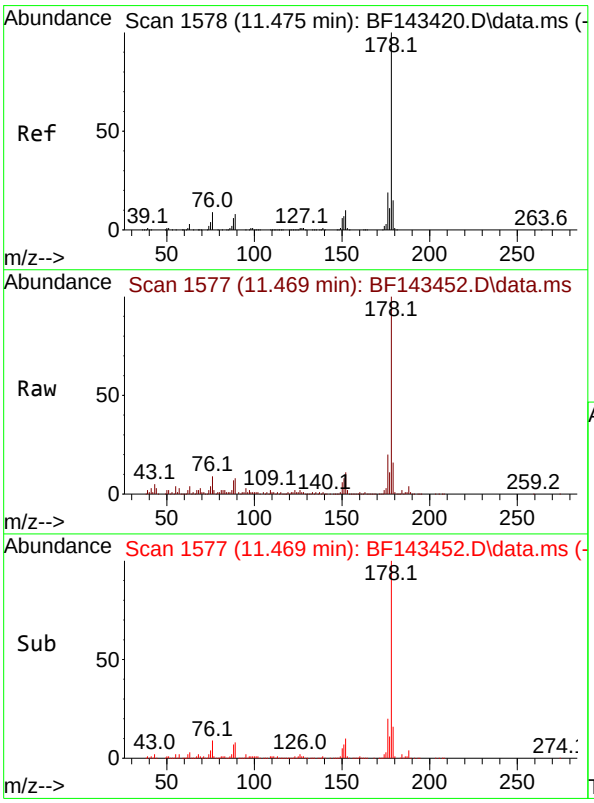
#67
4-Bromophenyl-phenylether
Concen: 2.890 ng
RT: 10.745 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Tgt Ion:248 Resp: 8732

Ion	Ratio	Lower	Upper
248	100		
250	195.8	78.6	118.0#
141	456.3	54.9	82.3#

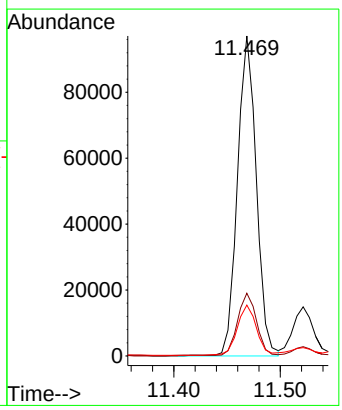


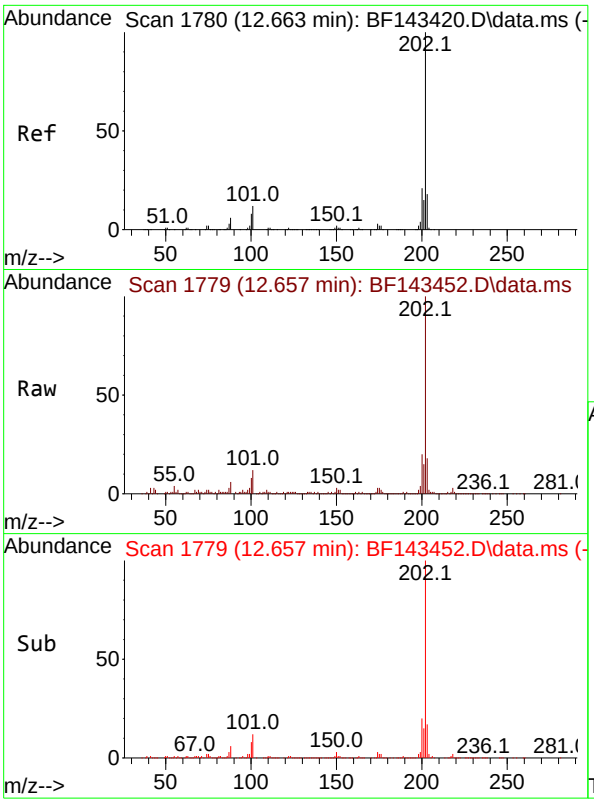


#71
Phenanthrene
Concen: 8.641 ng
RT: 11.469 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:178 Resp: 119727

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.0
179	15.9	12.3	18.5



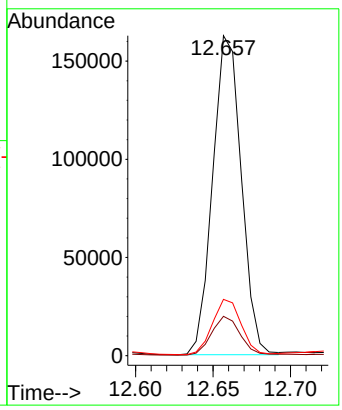


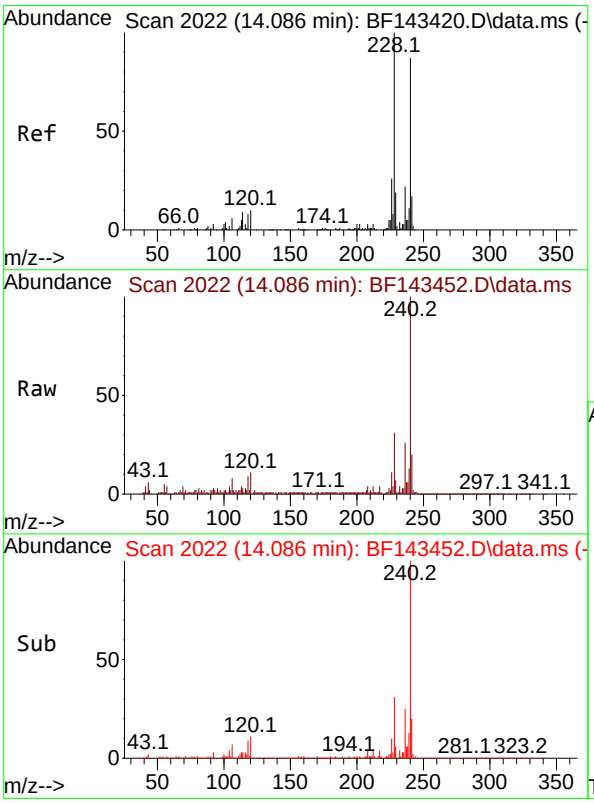
#75
Fluoranthene
Concen: 16.967 ng
RT: 12.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Tgt Ion:202 Resp: 208878

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	31.5
203	17.6	0.0	37.5

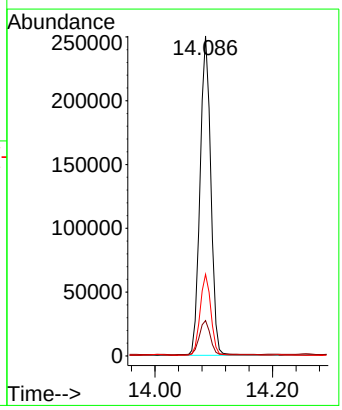


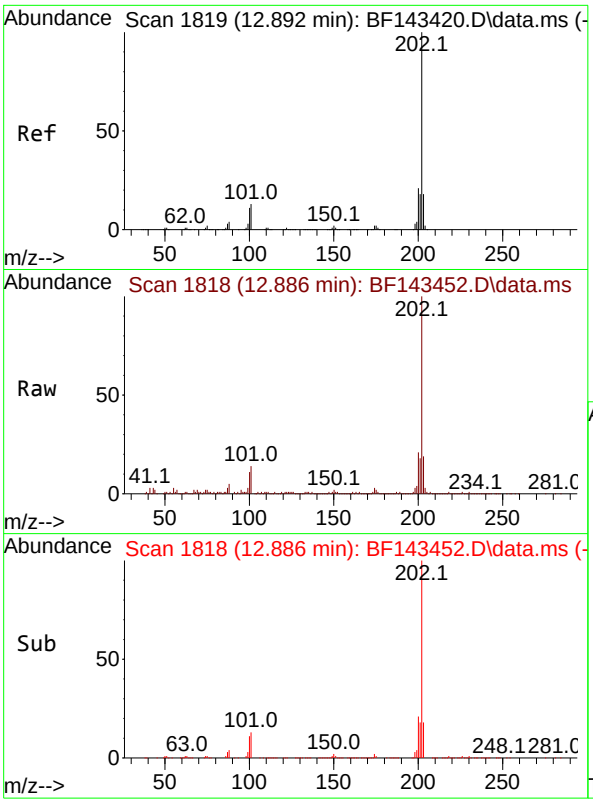


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:240 Resp: 317101

Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.0	13.4
236	25.5	20.2	30.2



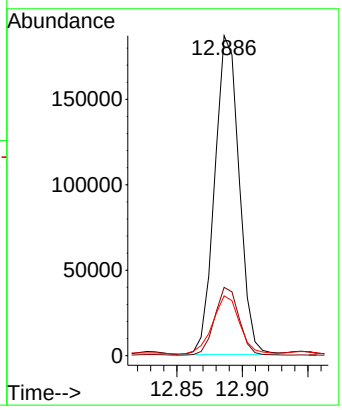


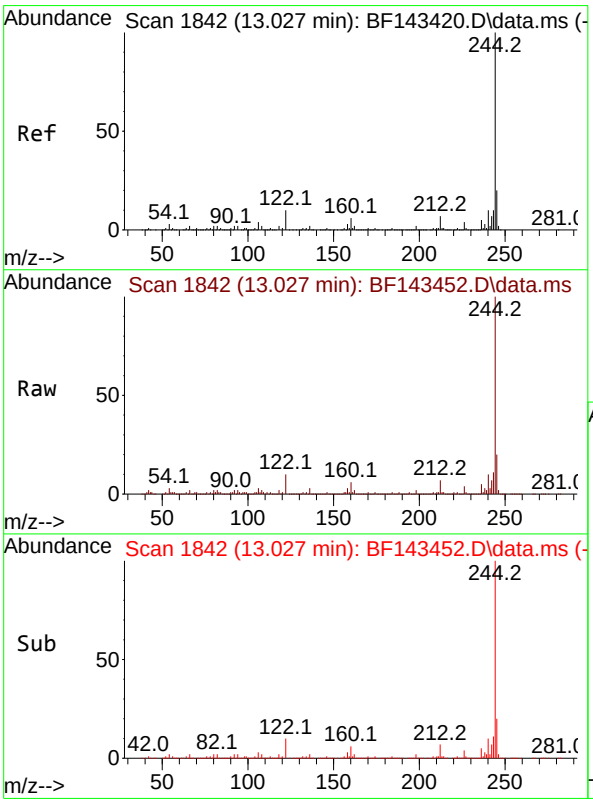
#78
Pyrene
Concen: 8.771 ng
RT: 12.886 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Tgt Ion:202 Resp: 241733

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.1	25.7
203	18.7	14.2	21.2

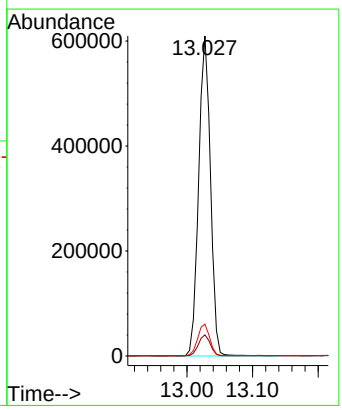


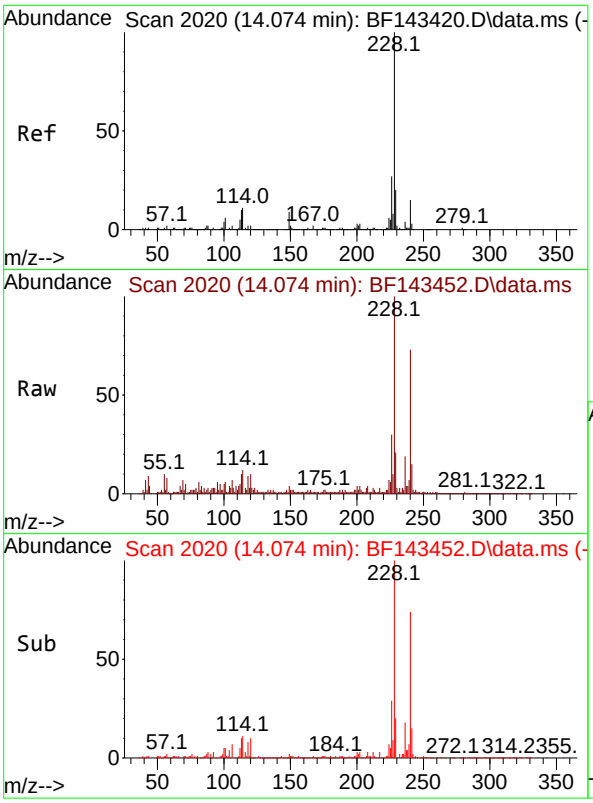


#79
Terphenyl-d14
Concen: 40.446 ng
RT: 13.027 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:244 Resp: 763485

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	10.0	8.3	12.5



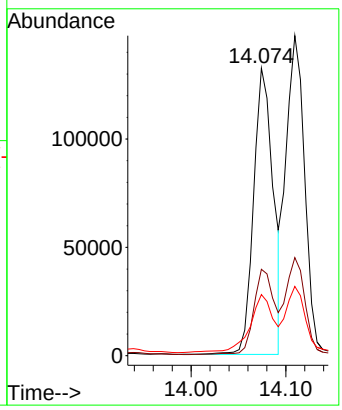


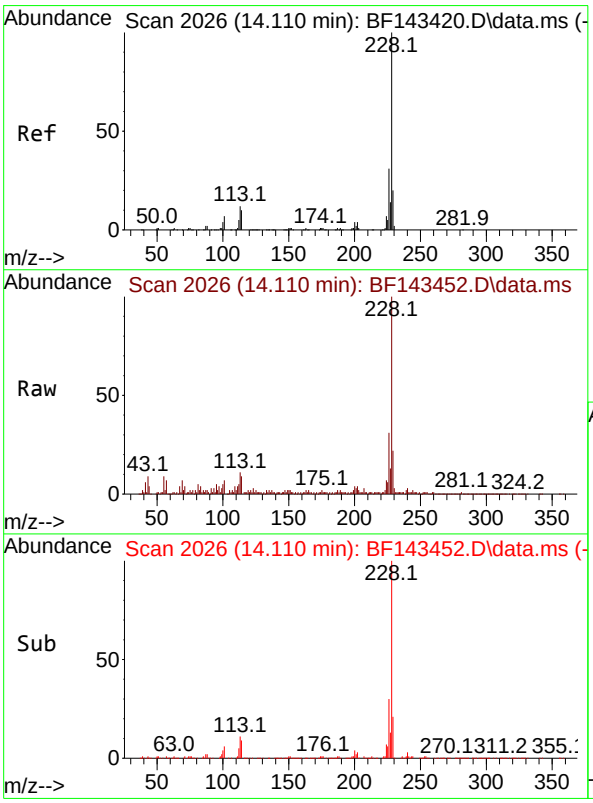
#81
Benzo(a)anthracene
Concen: 9.455 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Tgt Ion:228 Resp: 190874

Ion	Ratio	Lower	Upper
228	100		
226	30.0	21.5	32.3
229	21.3	15.7	23.5

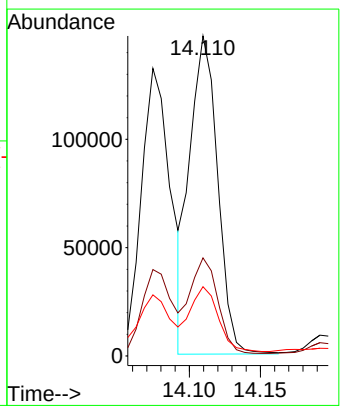


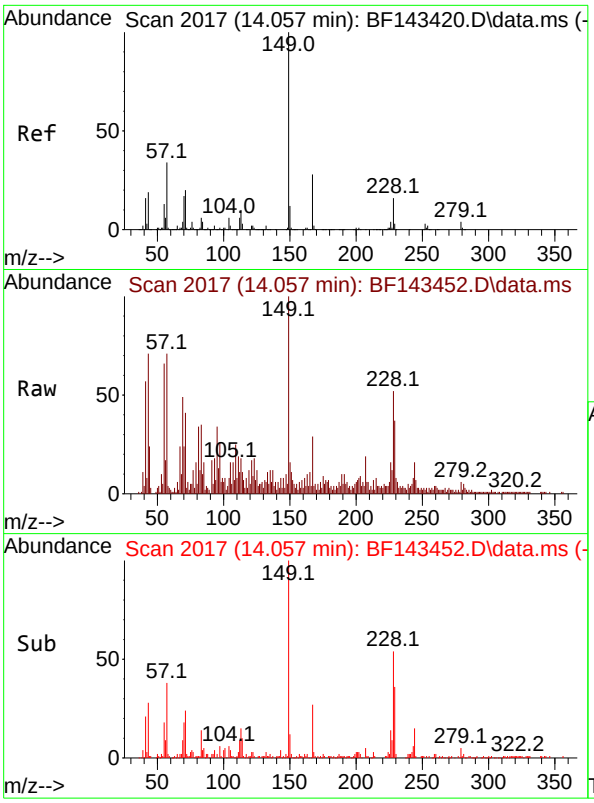


#83
Chrysene
Concen: 10.739 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:228 Resp: 200424

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.3	36.5
229	21.7	16.1	24.1



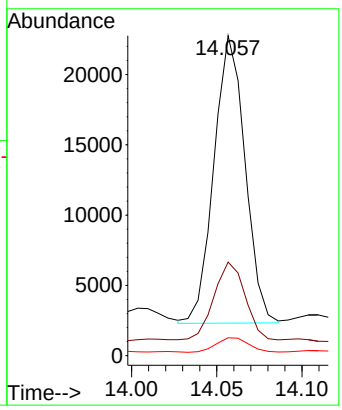


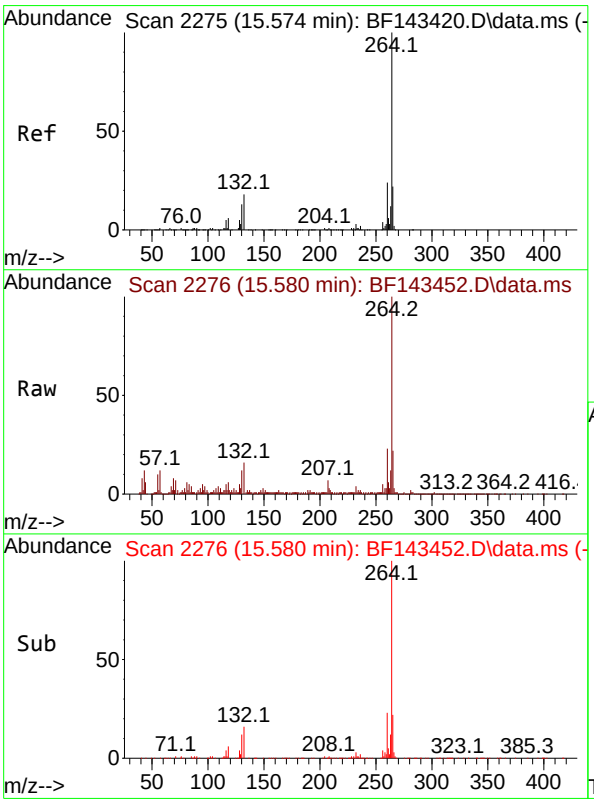
#84
Bis(2-ethylhexyl)phthalate
Concen: 2.681 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Tgt Ion:149 Resp: 25990

Ion	Ratio	Lower	Upper
149	100		
167	29.3	22.6	33.8
279	5.6	3.5	5.3#

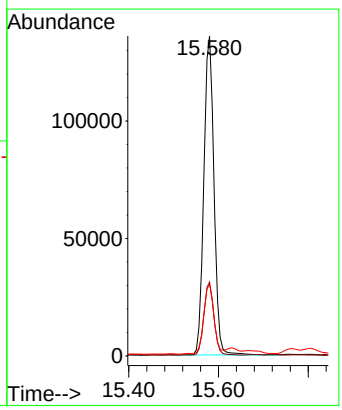


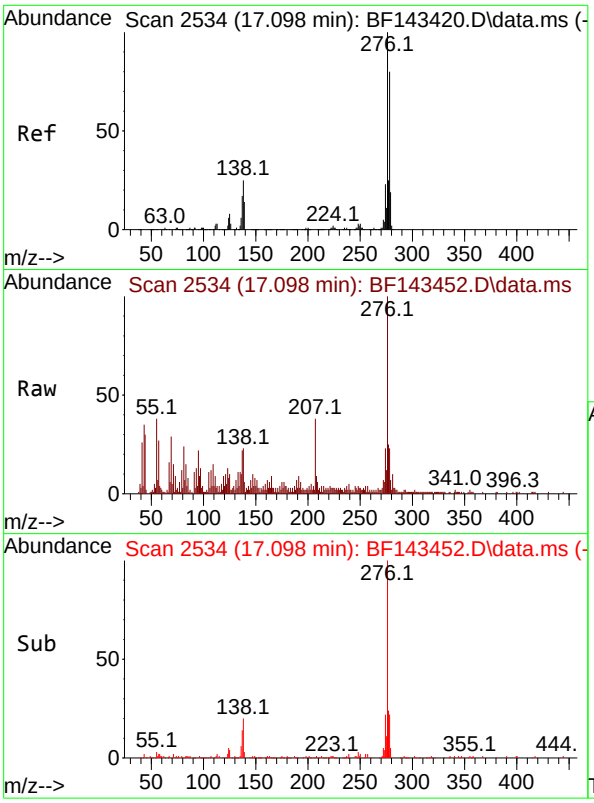


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:264 Resp: 213178

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.8	28.2
265	22.4	17.4	26.0



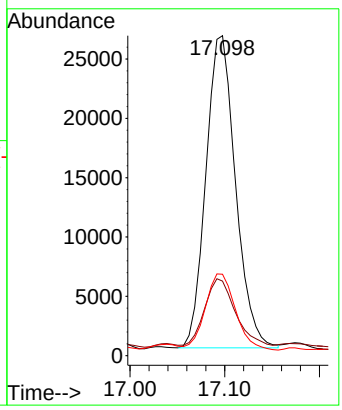


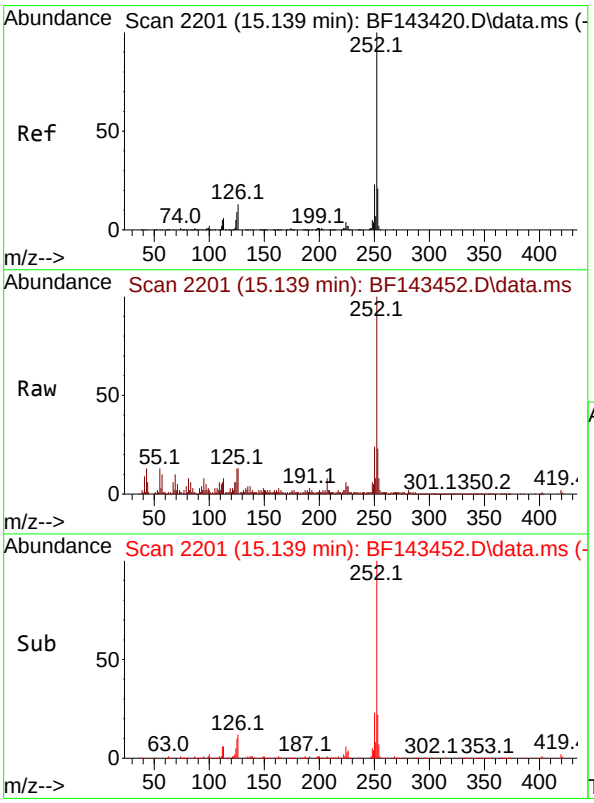
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.584 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Tgt Ion:276 Resp: 57299

Ion	Ratio	Lower	Upper
276	100		
138	21.4	20.2	30.4
277	24.9	20.2	30.2

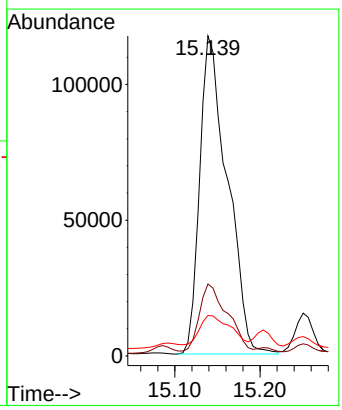


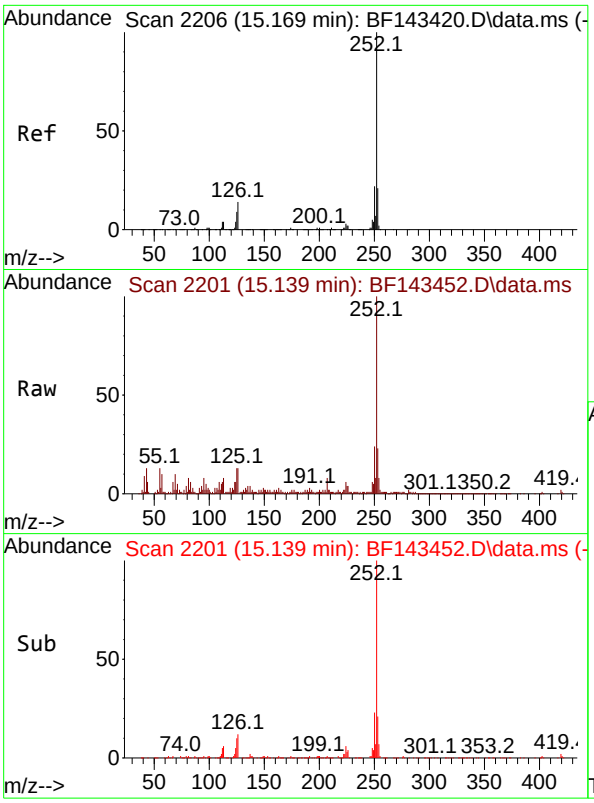


#88
Benzo(b)fluoranthene
Concen: 23.167 ng
RT: 15.139 min Scan# 2201
Delta R.T. -0.000 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:252 Resp: 264689

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	12.6	7.5	11.3#



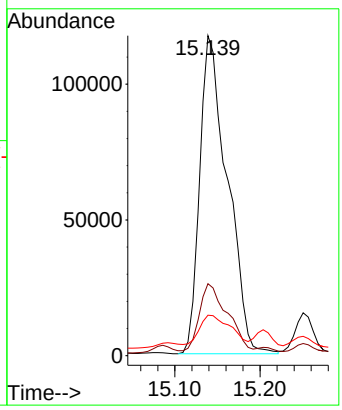


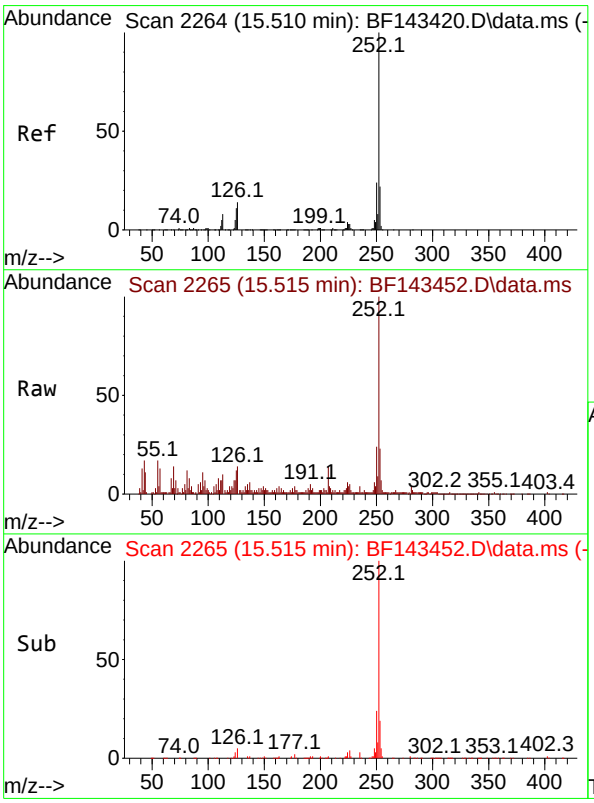
#89
Benzo(k)fluoranthene
Concen: 23.488 ng
RT: 15.139 min Scan# 2
Delta R.T. -0.030 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Tgt Ion:252 Resp: 264689

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	12.6	7.4	11.2#

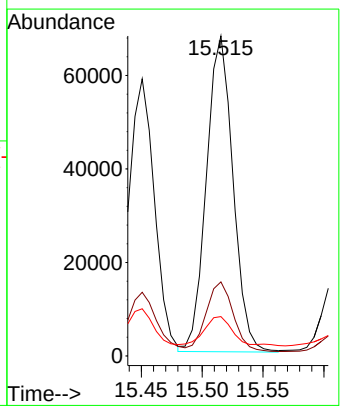


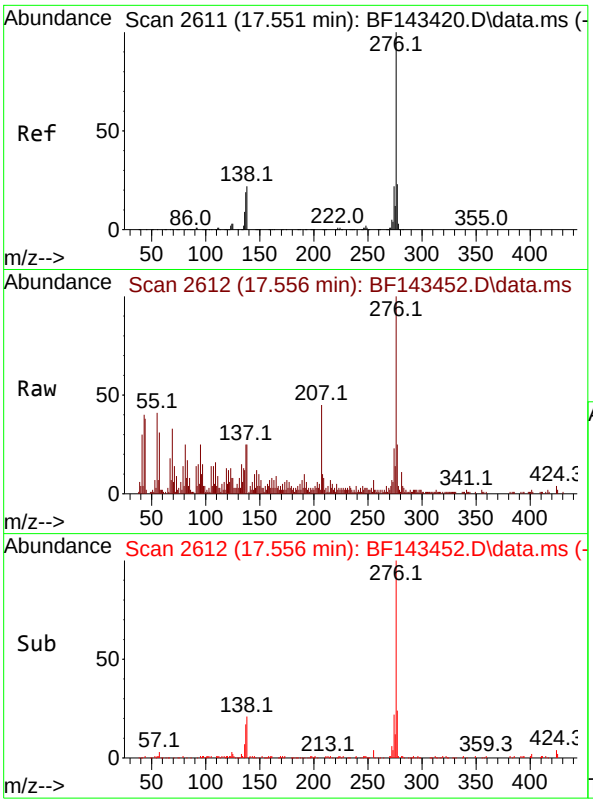


#90
Benzo(a)pyrene
Concen: 9.441 ng
RT: 15.515 min Scan# 2265
Delta R.T. 0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:252 Resp: 102742

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.2
125	12.3	8.6	12.8



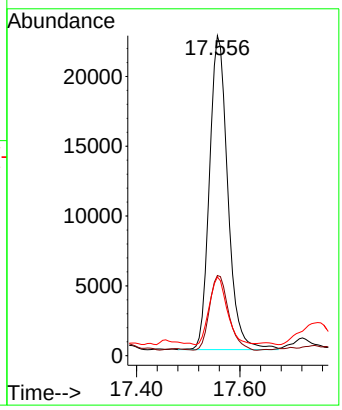


#92
Benzo(g,h,i)perylene
Concen: 4.302 ng
RT: 17.556 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Tgt Ion:276 Resp: 55171

Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.7	28.1
138	24.6	17.5	26.3



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143453.D
Acq On : 19 Aug 2025 13:30
Operator : RC/JU
Sample : Q2879-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Quant Time: Aug 19 13:59:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

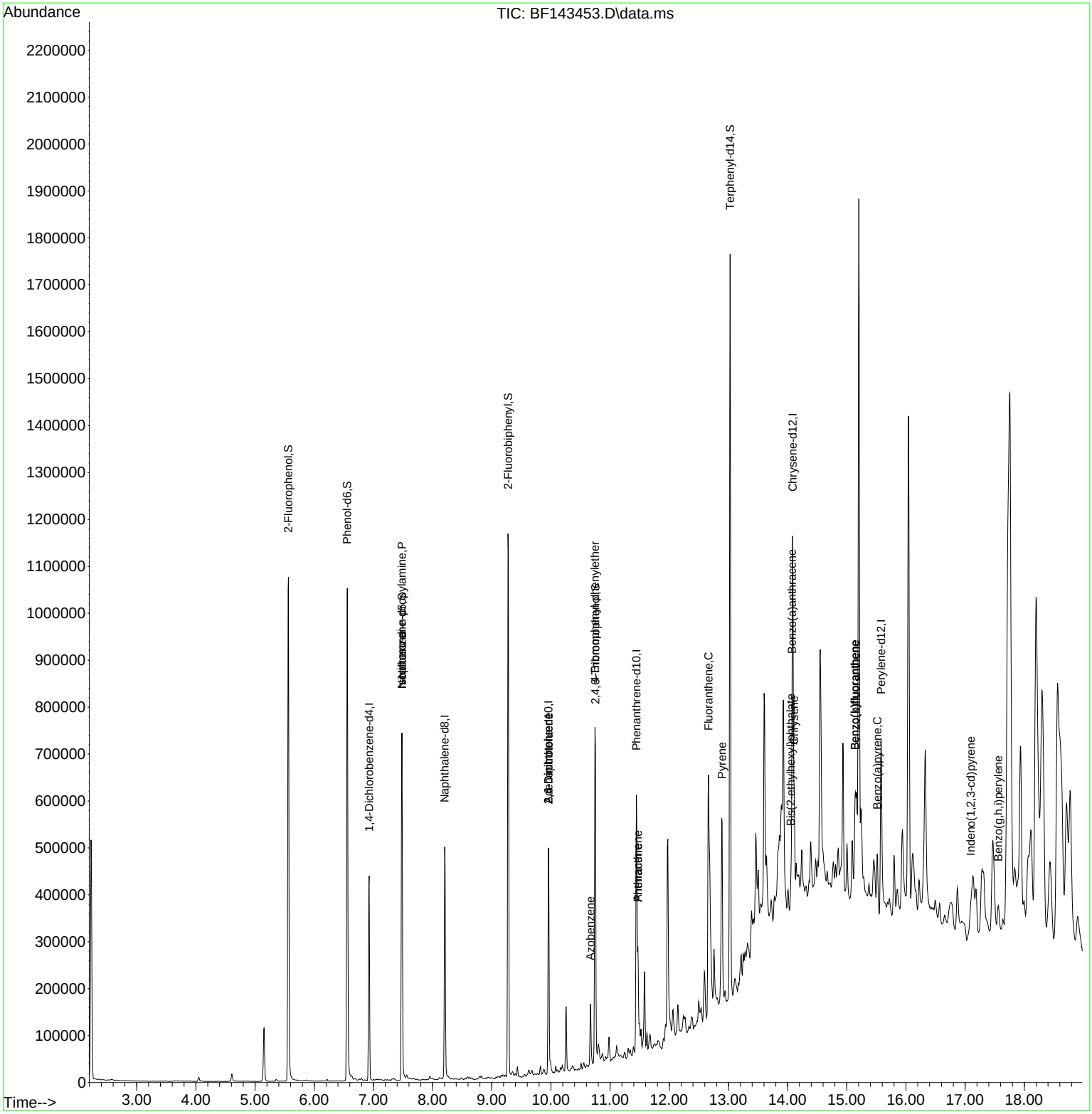
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	93170	20.000	ng		0.00
21) Naphthalene-d8	8.204	136	315157	20.000	ng		0.00
39) Acenaphthene-d10	9.957	164	143358	20.000	ng		0.00
64) Phenanthrene-d10	11.445	188	276131	20.000	ng		0.00
76) Chrysene-d12	14.086	240	302358	20.000	ng		0.00
86) Perylene-d12	15.580	264	207438	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.563	112	409160	76.339	ng		0.00
7) Phenol-d6	6.557	99	469539	69.515	ng		0.00
23) Nitrobenzene-d5	7.481	82	313869	59.096	ng		0.00
42) 2,4,6-Tribromophenol	10.751	330	121605	95.302	ng		0.00
45) 2-Fluorobiphenyl	9.275	172	516255	60.571	ng		0.00
79) Terphenyl-d14	13.027	244	754533	41.921	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	42256	10.105	ng	#	78
25) Isophorone	7.481	82	311949	30.688	ng	#	65
51) 2,6-Dinitrotoluene	9.957	165	20039	11.374	ng	#	24
57) 2,4-Dinitrotoluene	9.957	165	20160	8.582	ng	#	25
63) Azobenzene	10.669	77	31936	3.826	ng	#	1
67) 4-Bromophenyl-phenylether	10.745	248	8169	2.505	ng	#	1
71) Phenanthrene	11.469	178	98842	6.610	ng		100
72) Anthracene	11.469	178	98842	6.545	ng		99
75) Fluoranthene	12.663	202	260342	19.595	ng		99
78) Pyrene	12.892	202	231916	8.825	ng		99
81) Benzo(a)anthracene	14.074	228	137384	7.137	ng		95
83) Chrysene	14.110	228	130659	7.342	ng		98
84) Bis(2-ethylhexyl)phtha...	14.057	149	22096	2.390	ng		96
87) Indeno(1,2,3-cd)pyrene	17.098	276	38698	2.488	ng		94
88) Benzo(b)fluoranthene	15.139	252	165633	14.898	ng	#	93
89) Benzo(k)fluoranthene	15.139	252	165633	15.105	ng	#	93
90) Benzo(a)pyrene	15.515	252	71563	6.758	ng	#	94
92) Benzo(g,h,i)perylene	17.562	276	40674	3.259	ng		97

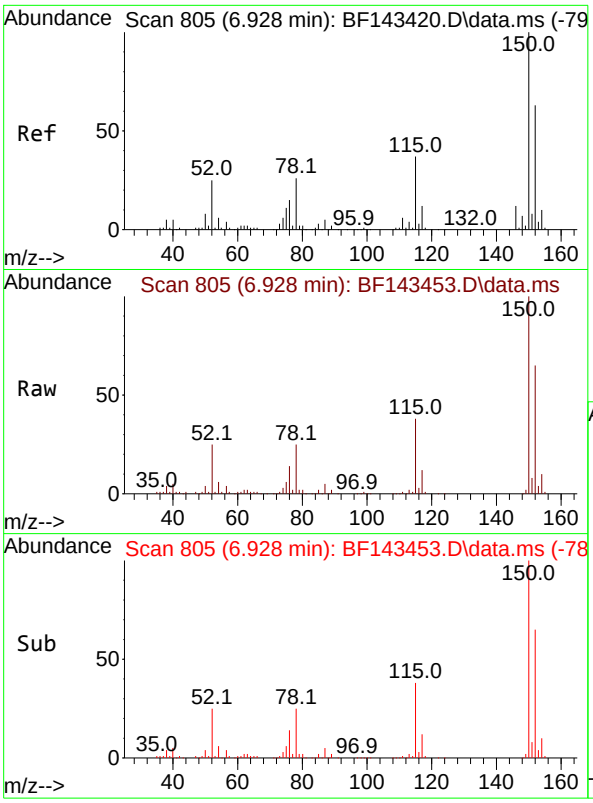
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143453.D
Acq On : 19 Aug 2025 13:30
Operator : RC/JU
Sample : Q2879-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Quant Time: Aug 19 13:59:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration



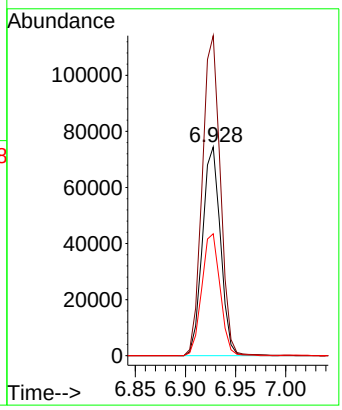


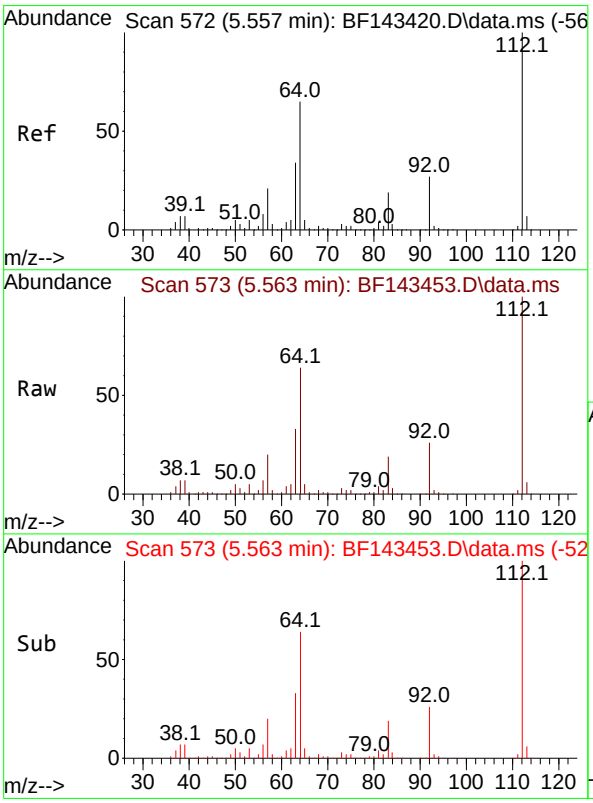
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Tgt Ion:152 Resp: 93170

Ion	Ratio	Lower	Upper
152	100		
150	153.2	127.4	191.2
115	58.4	47.5	71.3

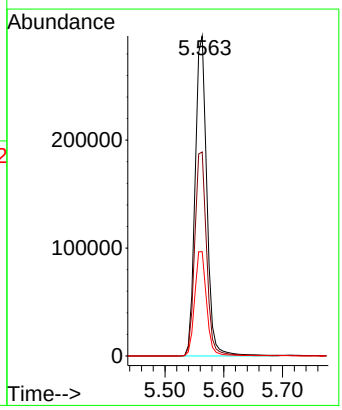


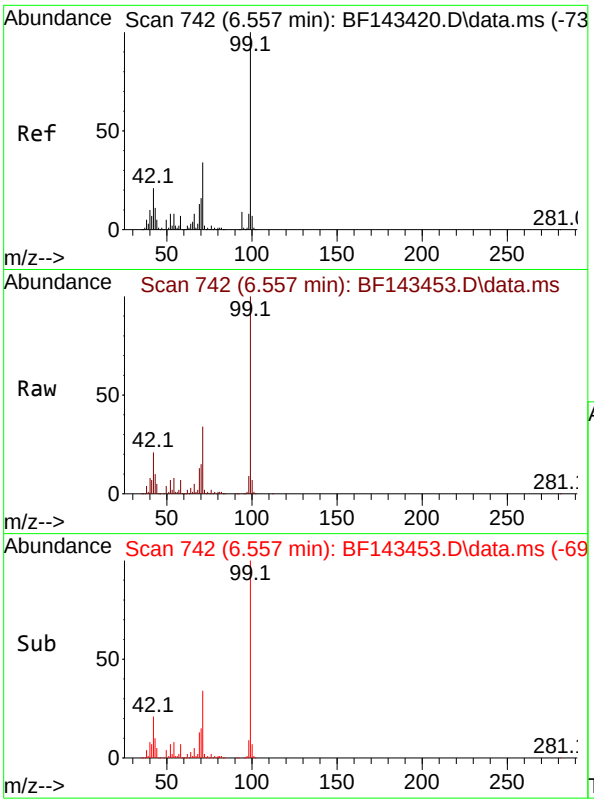


#5
2-Fluorophenol
Concen: 76.339 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.006 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion:112 Resp: 409160

Ion	Ratio	Lower	Upper
112	100		
64	63.8	52.2	78.2
63	32.6	27.0	40.6



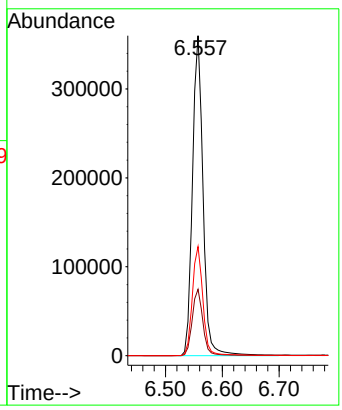


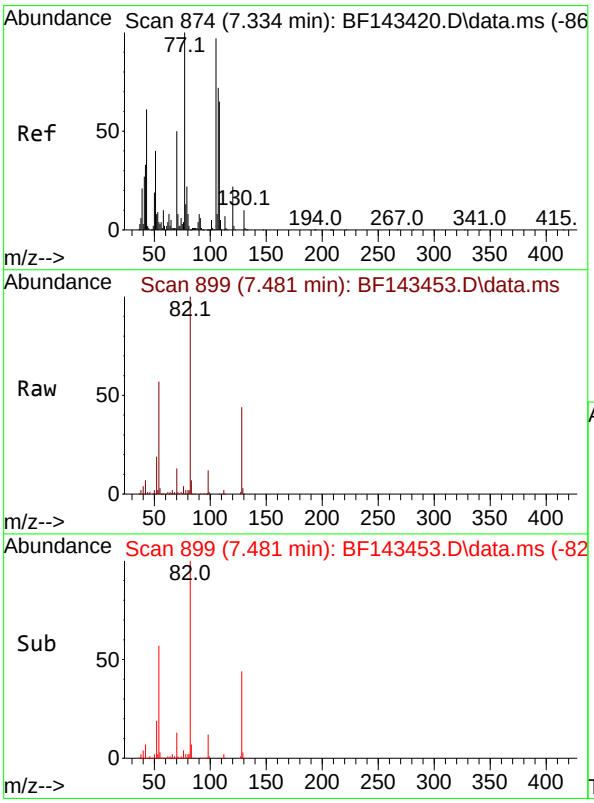
#7
Phenol-d6
Concen: 69.515 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Tgt Ion: 99 Resp: 469539

Ion	Ratio	Lower	Upper
99	100		
42	20.7	17.0	25.6
71	34.1	27.4	41.2

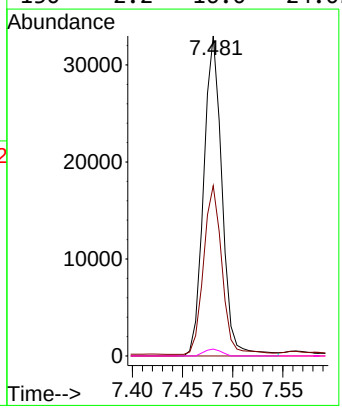


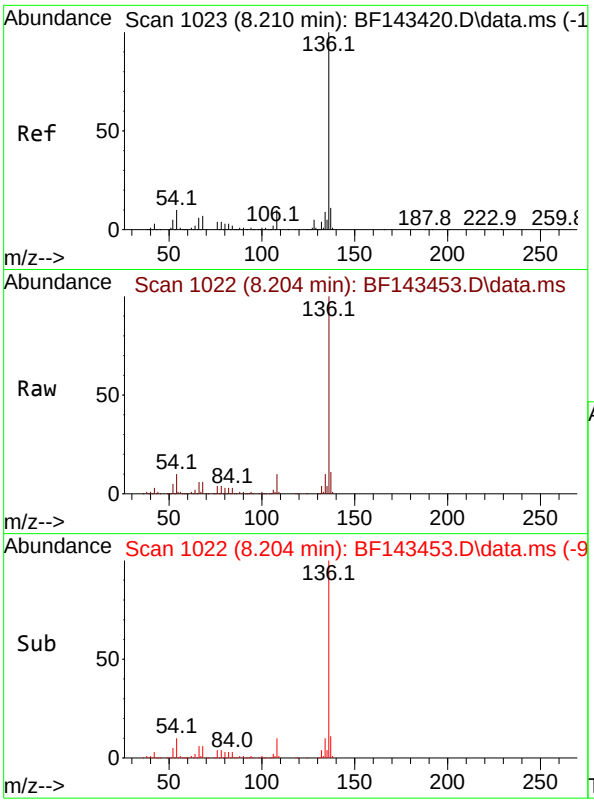


#19
n-Nitroso-di-n-propylamine
Concen: 10.105 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.147 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion: 70 Resp: 42256

Ion	Ratio	Lower	Upper
70	100		
42	53.2	52.5	78.7
101	0.0	7.9	11.9#
130	2.2	16.0	24.0#



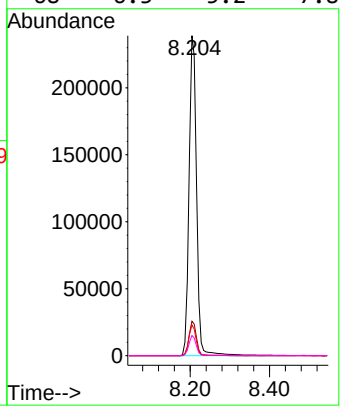


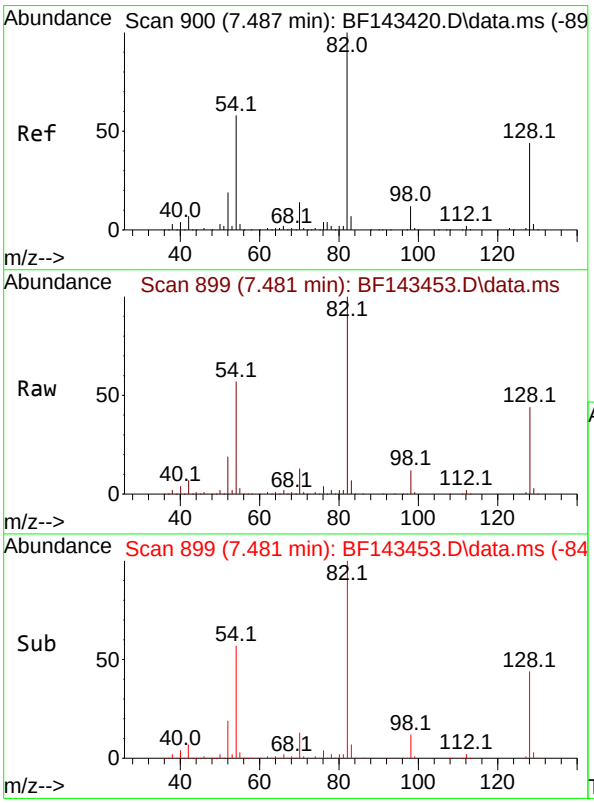
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Tgt Ion:136 Resp: 315157

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	9.6	7.8	11.8
68	6.3	5.2	7.8

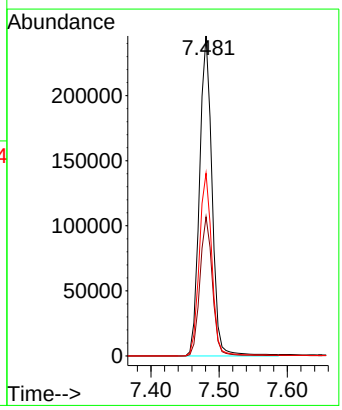


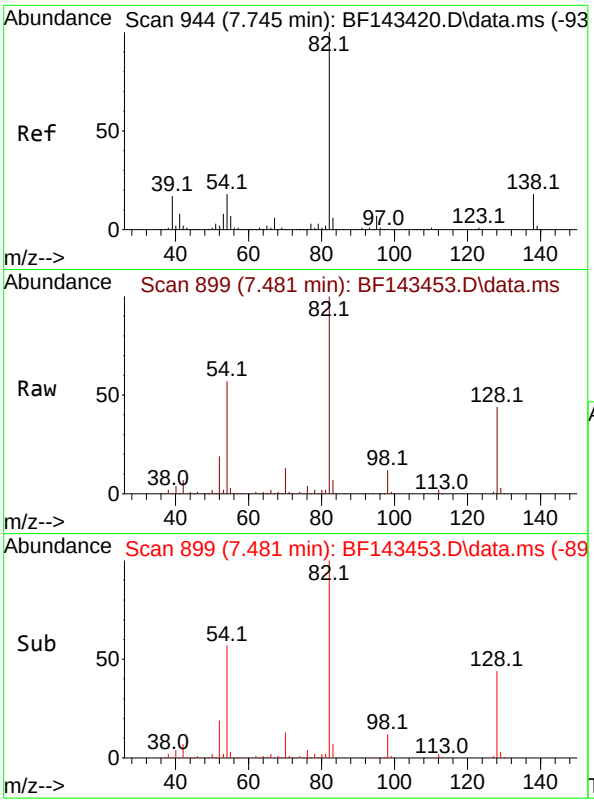


#23
Nitrobenzene-d5
Concen: 59.096 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion: 82 Resp: 313869

Ion	Ratio	Lower	Upper
82	100		
128	43.5	34.6	52.0
54	57.1	46.0	69.0



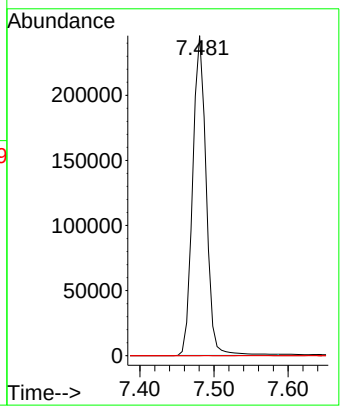


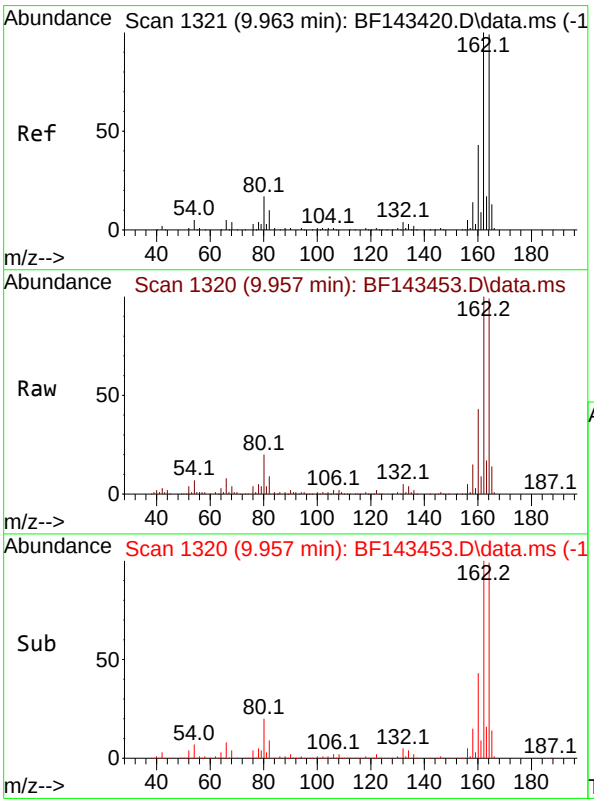
#25
Isophorone
Concen: 30.688 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.265 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Tgt Ion: 82 Resp: 311949

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.3	21.5#

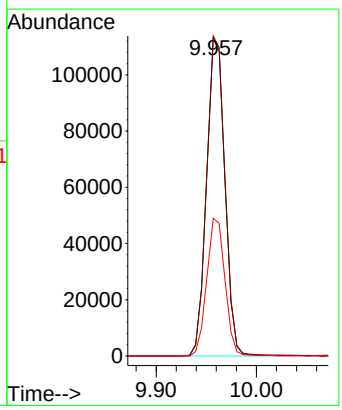


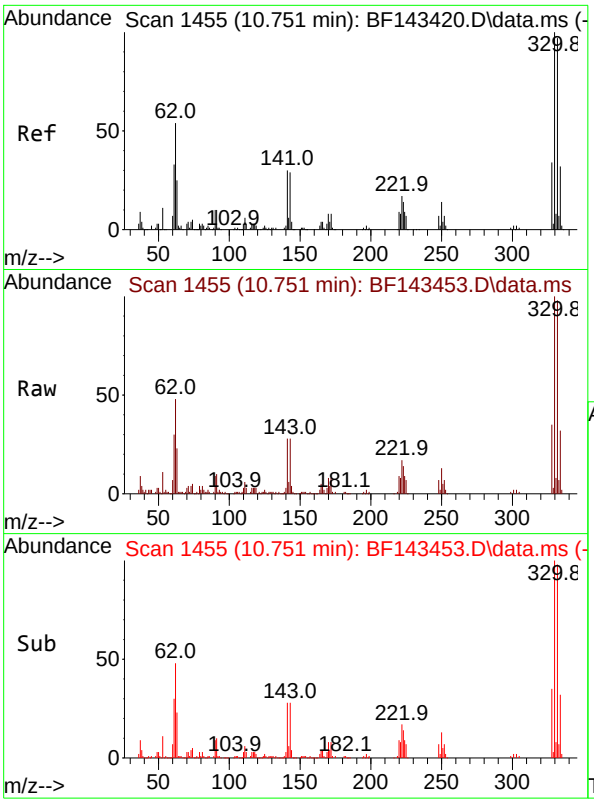


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion:164 Resp: 143358

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	121.0
160	43.4	34.6	51.8



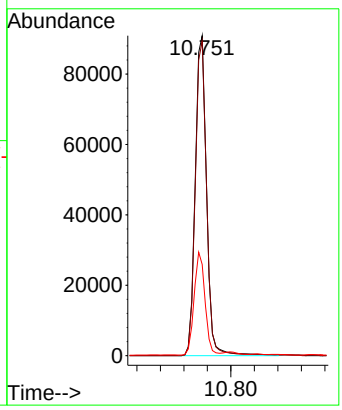


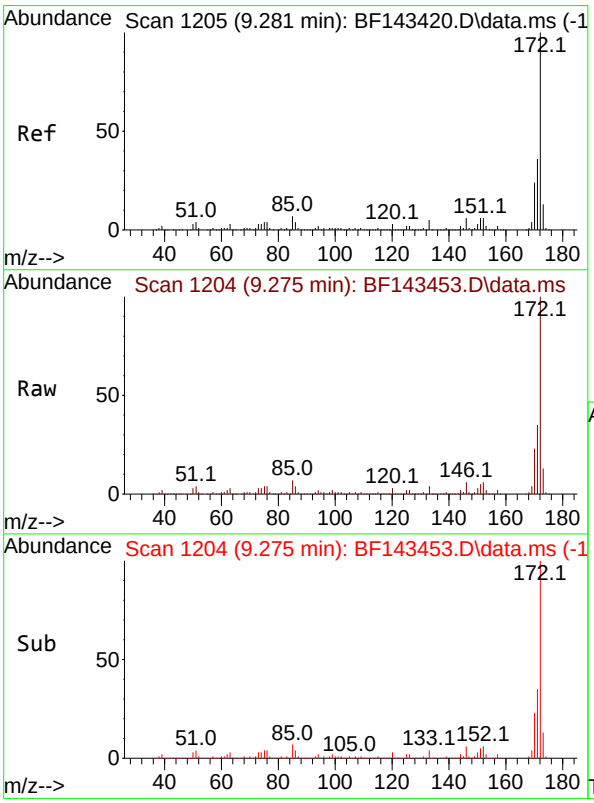
#42
2,4,6-Tribromophenol
Concen: 95.302 ng
RT: 10.751 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Tgt Ion:330 Resp: 121605

Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.4	116.2
141	30.7	24.1	36.1

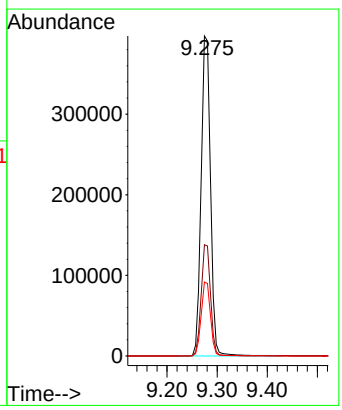


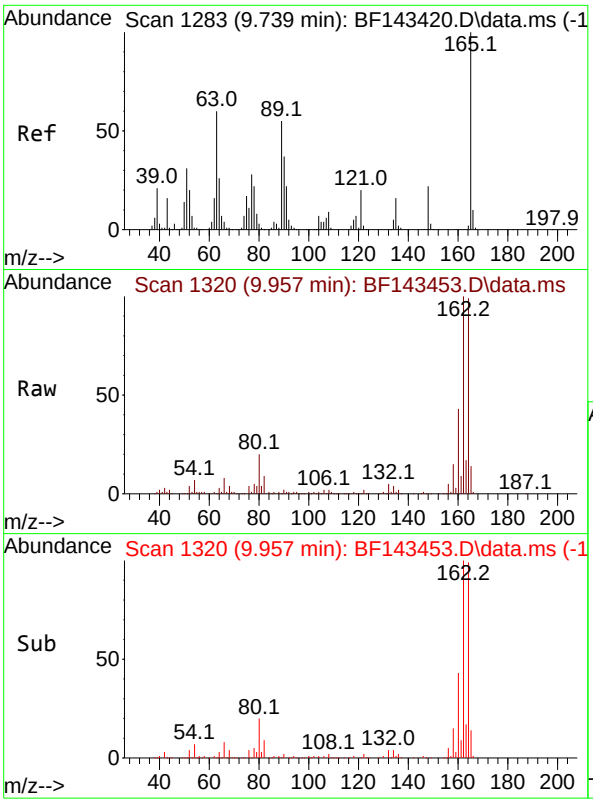


#45
2-Fluorobiphenyl
Concen: 60.571 ng
RT: 9.275 min Scan# 1204
Delta R.T. -0.006 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion:172 Resp: 516255

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.7	43.1
170	23.1	19.0	28.6



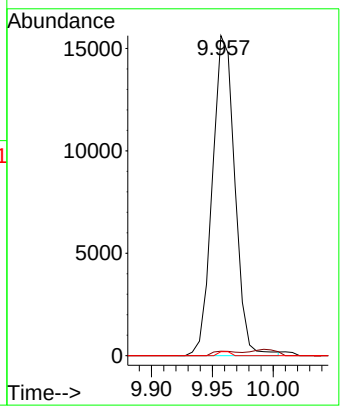


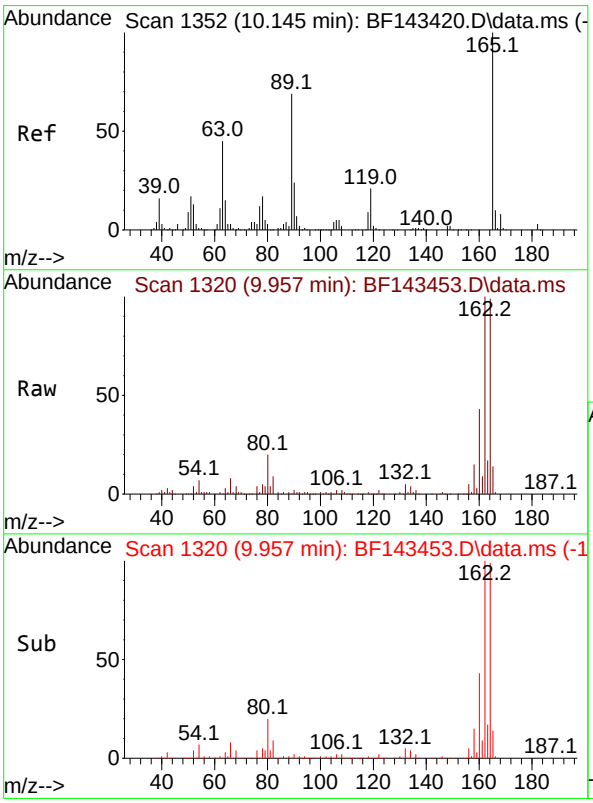
#51
2,6-Dinitrotoluene
Concen: 11.374 ng
RT: 9.957 min Scan# 1
Delta R.T. 0.218 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Tgt Ion:165 Resp: 20039

Ion	Ratio	Lower	Upper
165	100		
63	1.4	48.2	72.2#
89	1.3	44.2	66.2#

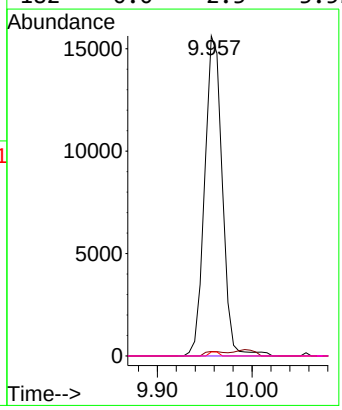


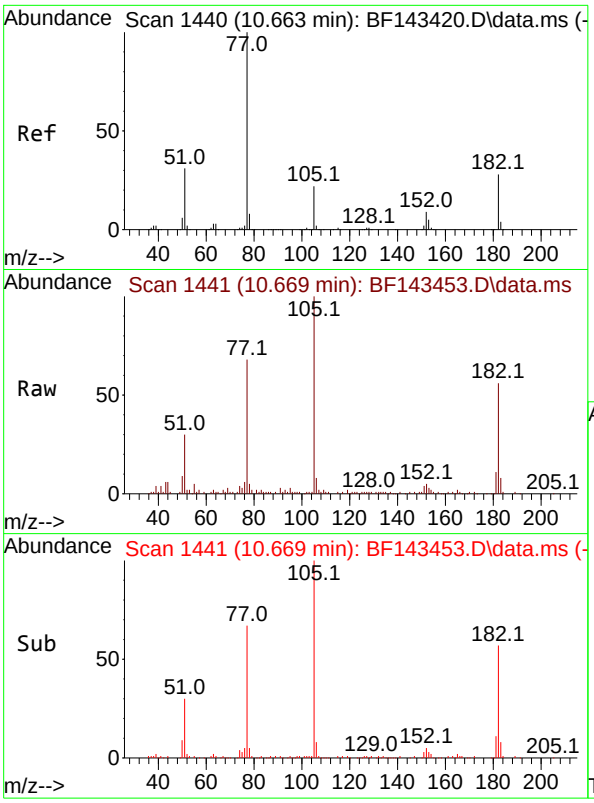


#57
2,4-Dinitrotoluene
Concen: 8.582 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.188 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion:165 Resp: 20160

Ion	Ratio	Lower	Upper
165	100		
63	1.4	37.0	55.6#
89	1.3	55.4	83.0#
182	0.0	2.3	3.5#



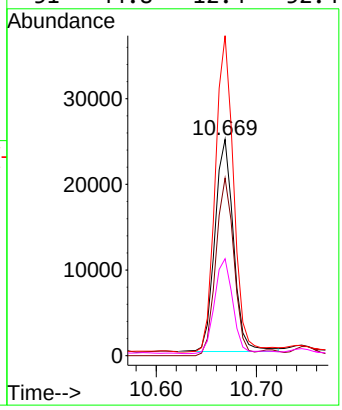


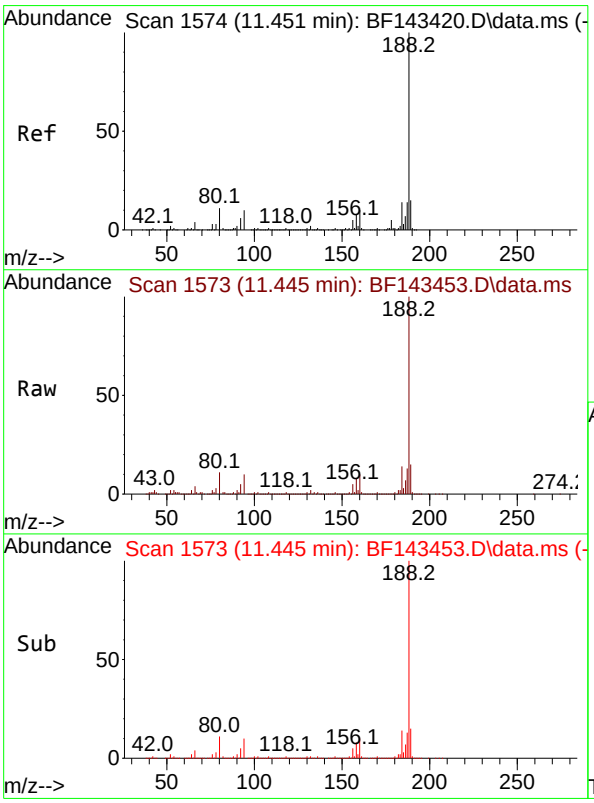
#63
Azobenzene
Concen: 3.826 ng
RT: 10.669 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Tgt Ion: 77 Resp: 31936

Ion	Ratio	Lower	Upper
77	100		
182	82.1	7.4	47.4#
105	148.0	1.7	41.7#
51	44.8	12.4	52.4

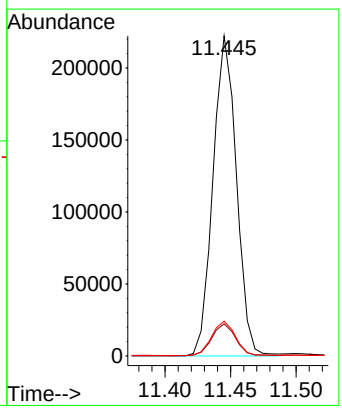


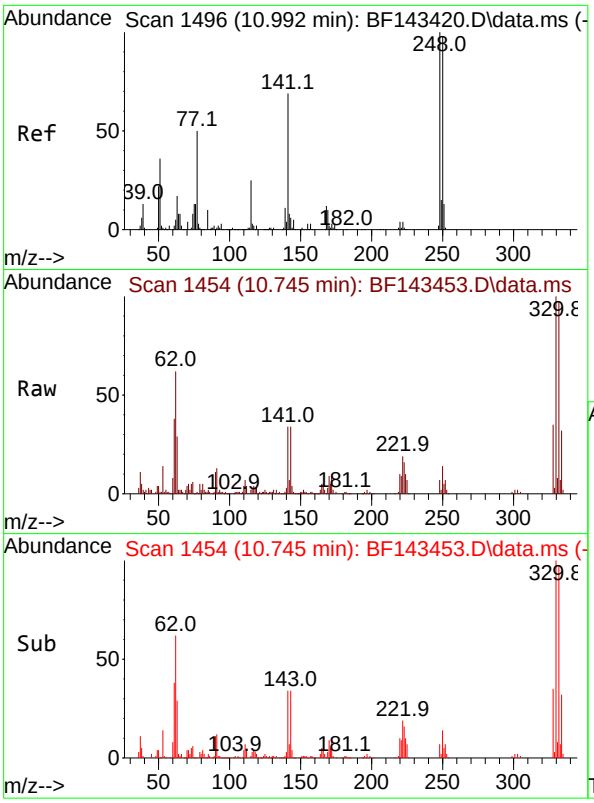


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion:188 Resp: 276131

Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.0	12.0
80	10.8	8.6	12.8



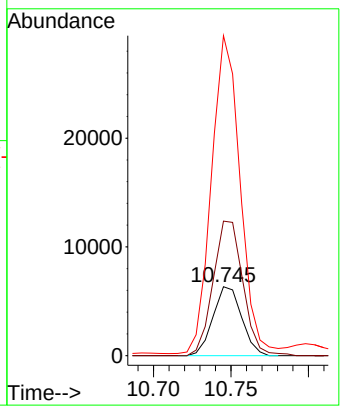


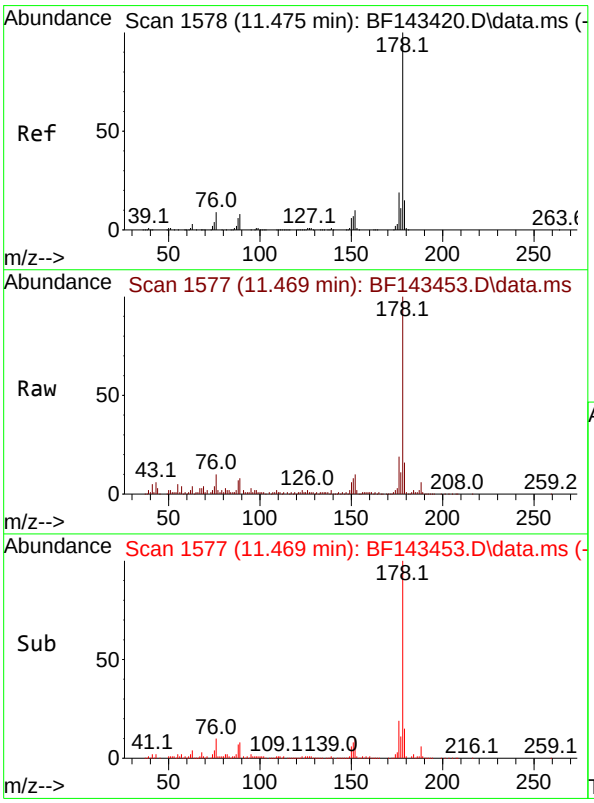
#67
4-Bromophenyl-phenylether
Concen: 2.505 ng
RT: 10.745 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Tgt Ion:248 Resp: 8169

Ion	Ratio	Lower	Upper
248	100		
250	195.2	78.6	118.0#
141	464.3	54.9	82.3#

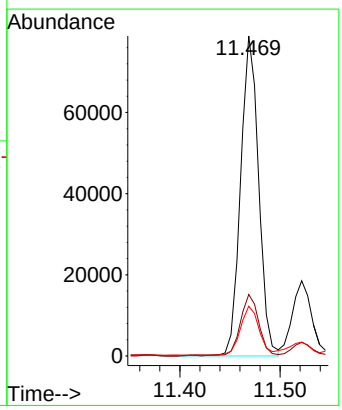


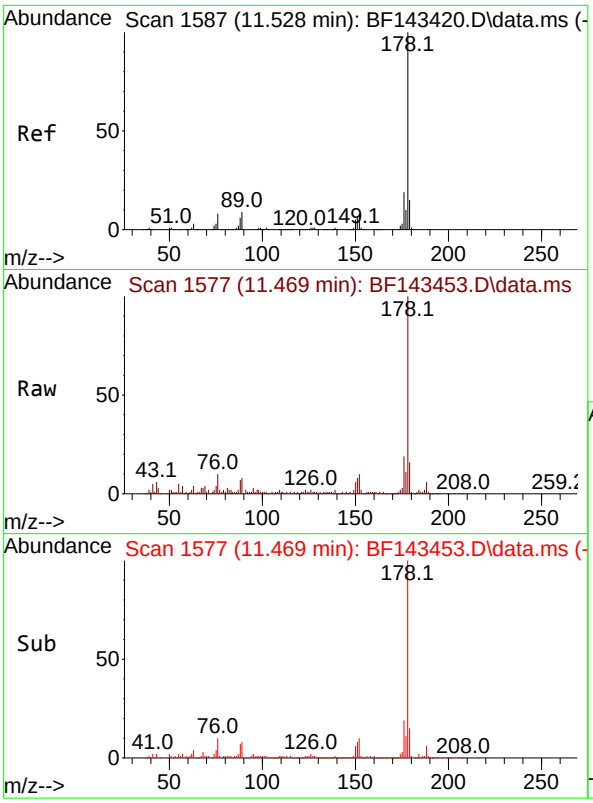


#71
Phenanthrene
Concen: 6.610 ng
RT: 11.469 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion:178 Resp: 98842

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.6	12.3	18.5



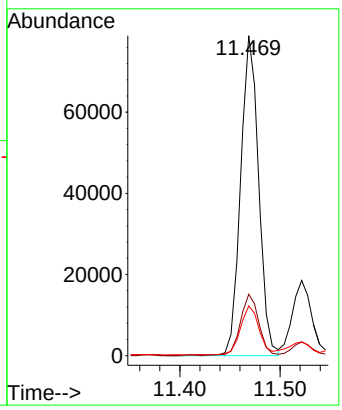


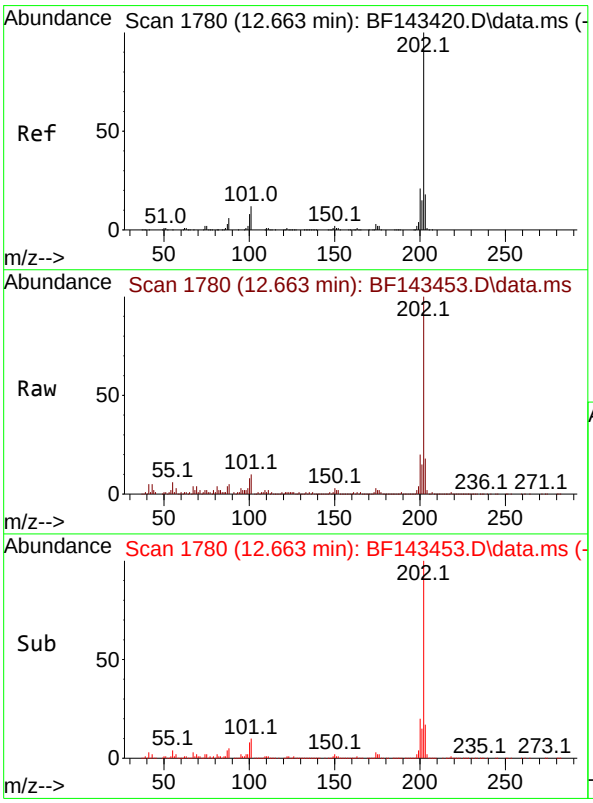
#72
Anthracene
Concen: 6.545 ng
RT: 11.469 min Scan# 1
Delta R.T. -0.059 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Tgt Ion:178 Resp: 98842

Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.8	22.2
179	15.6	12.2	18.4

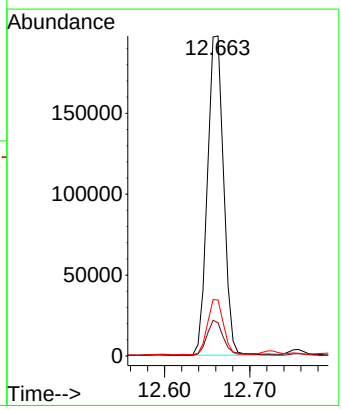


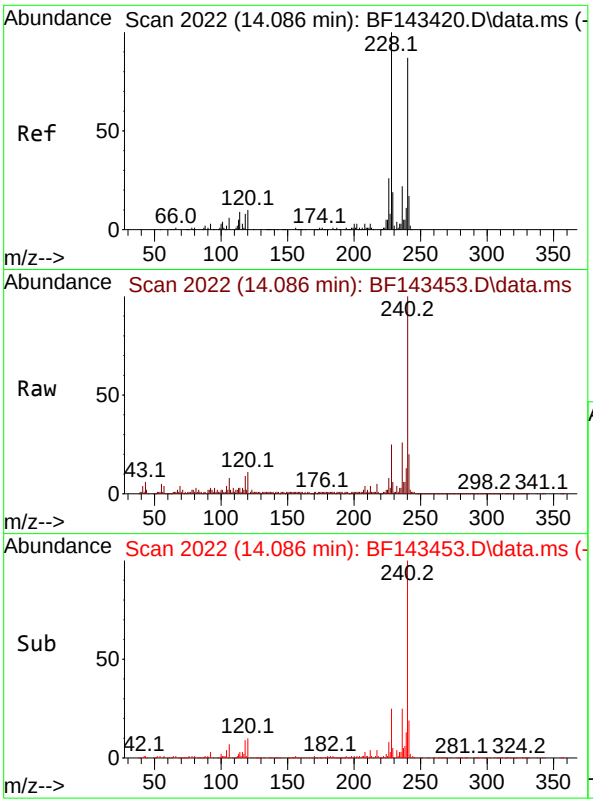


#75
Fluoranthene
Concen: 19.595 ng
RT: 12.663 min Scan# 1780
Delta R.T. -0.000 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion:202 Resp: 260342

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	31.5
203	17.5	0.0	37.5



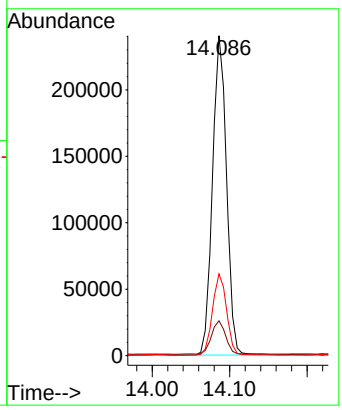


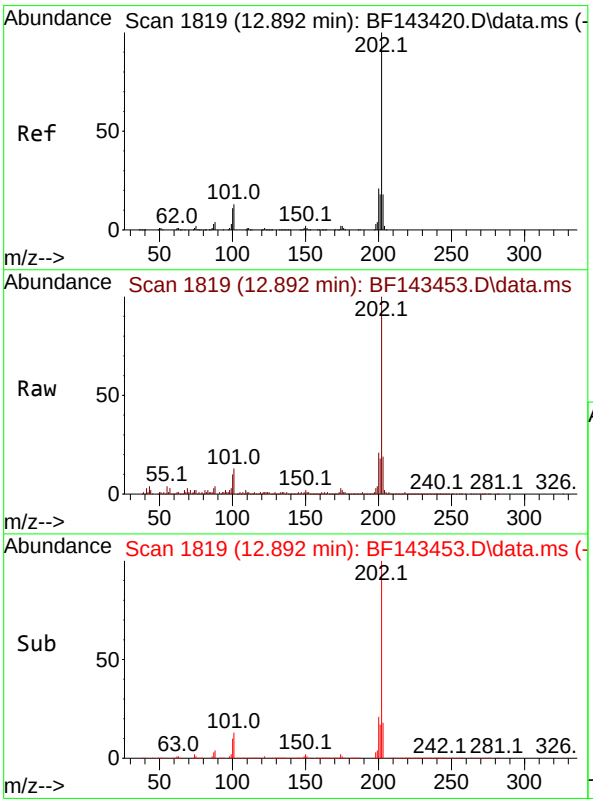
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Tgt Ion:240 Resp: 302358

Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.0	13.4
236	25.6	20.2	30.2

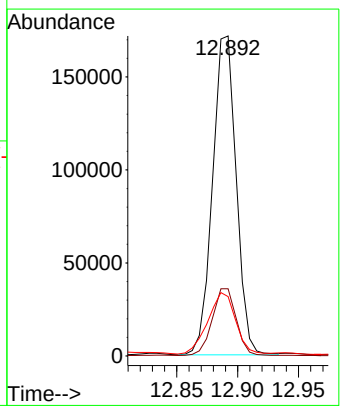


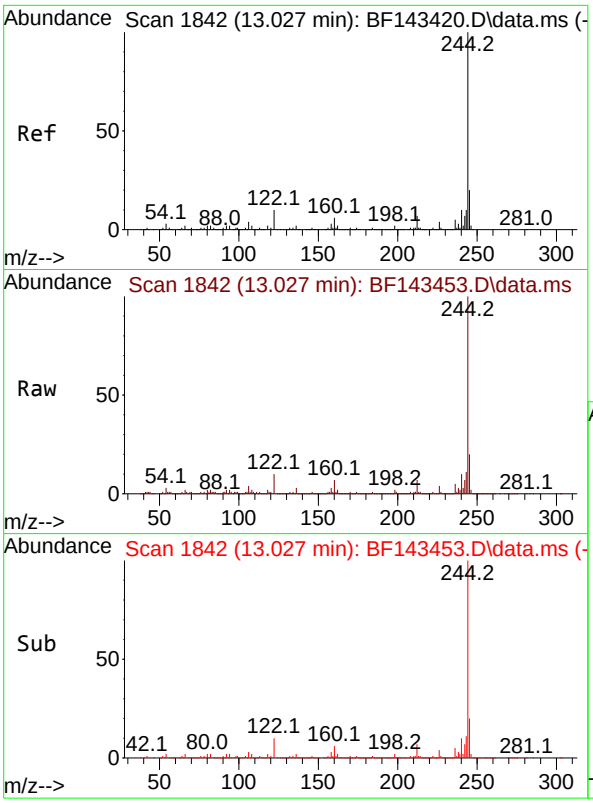


#78
Pyrene
Concen: 8.825 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion:202 Resp: 231916

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.1	25.7
203	18.5	14.2	21.2



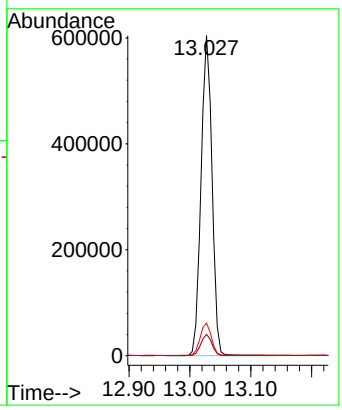


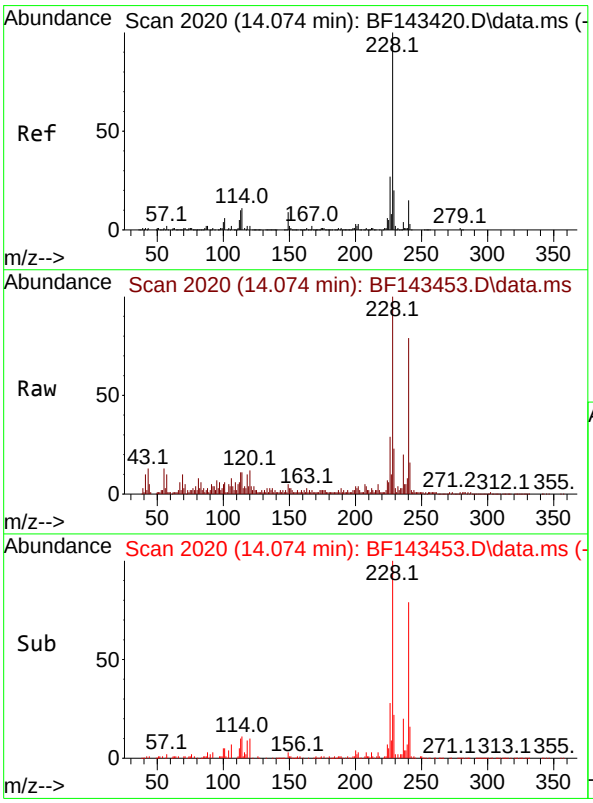
#79
Terphenyl-d14
Concen: 41.921 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Tgt Ion:244 Resp: 754533

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	10.2	8.3	12.5

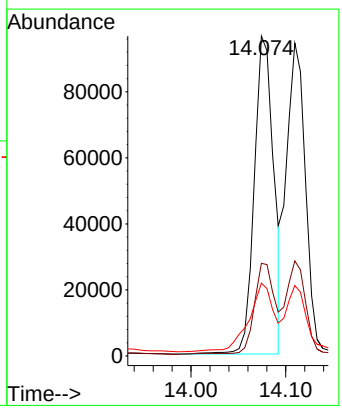


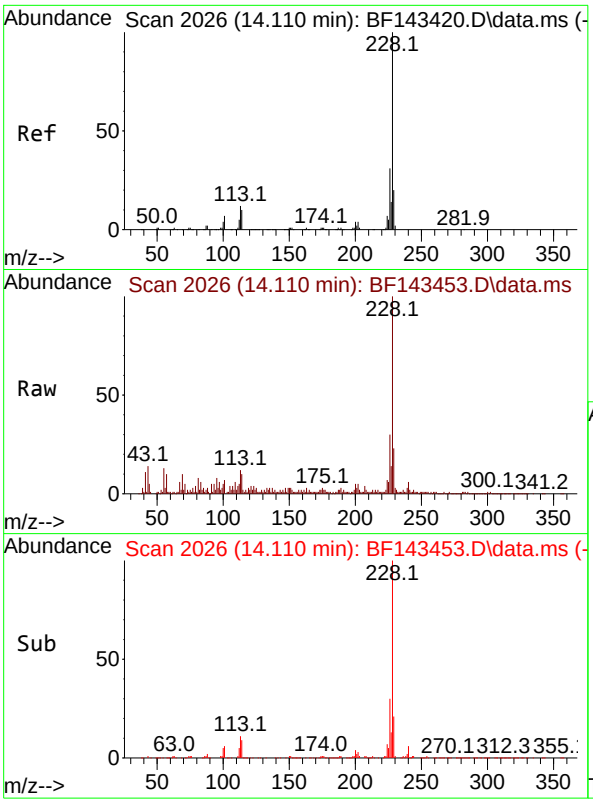


#81
Benzo(a)anthracene
Concen: 7.137 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion:228 Resp: 137384

Ion	Ratio	Lower	Upper
228	100		
226	28.9	21.5	32.3
229	22.8	15.7	23.5



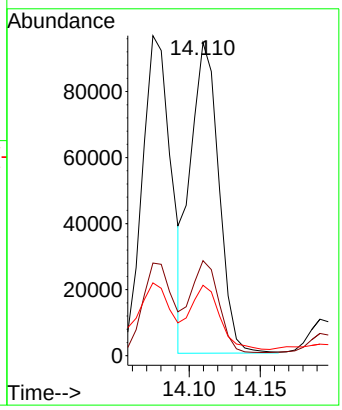


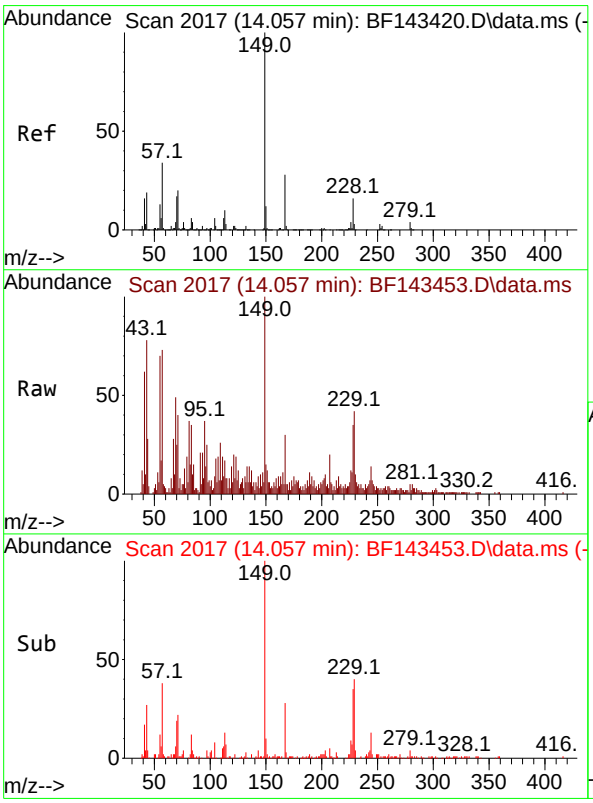
#83
Chrysene
Concen: 7.342 ng
RT: 14.110 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Tgt Ion:228 Resp: 130659

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.3	36.5
229	22.5	16.1	24.1

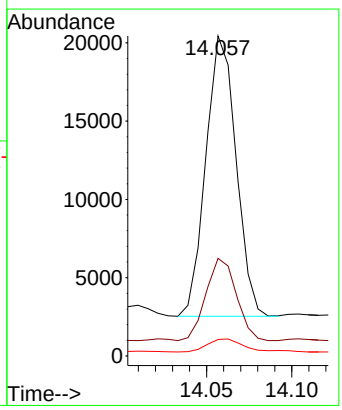


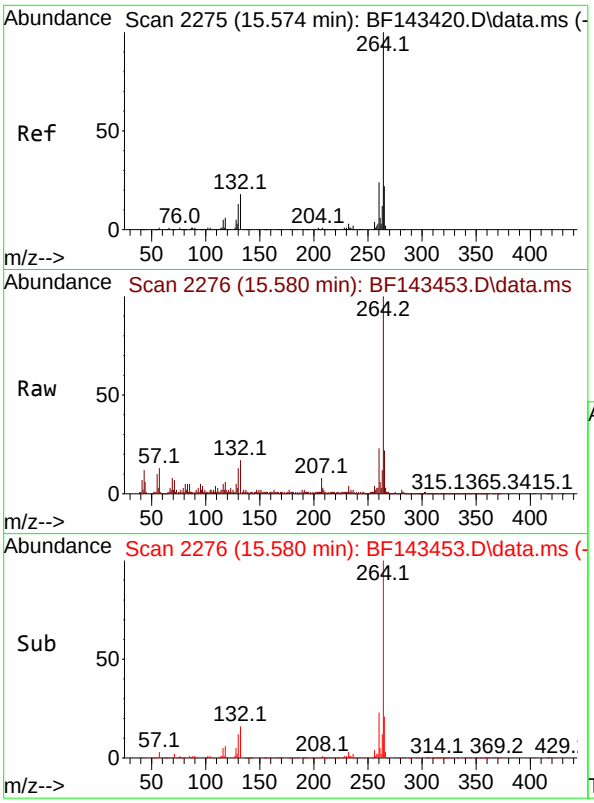


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.390 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion:149 Resp: 22096

Ion	Ratio	Lower	Upper
149	100		
167	30.5	22.6	33.8
279	5.2	3.5	5.3



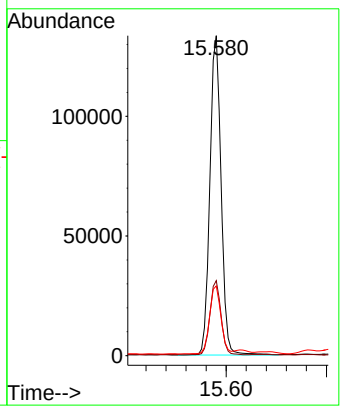


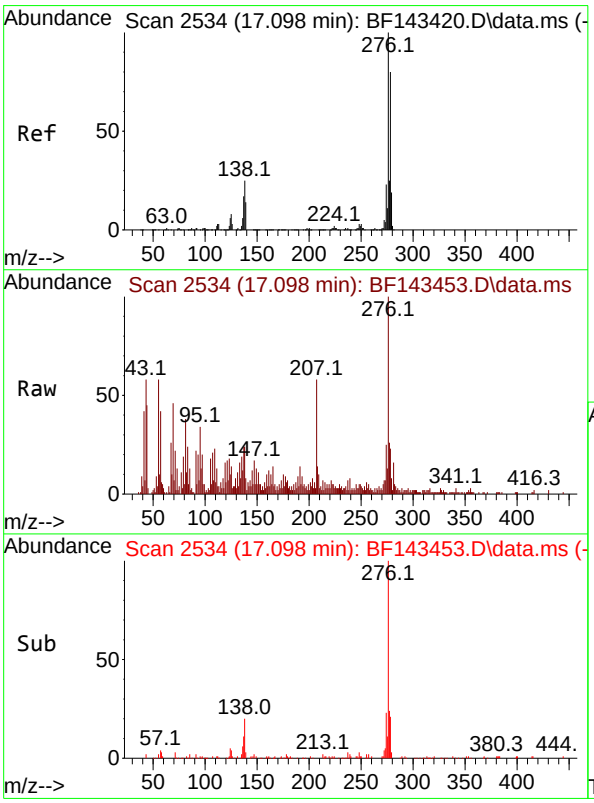
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Tgt Ion:264 Resp: 207438

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.8	28.2
265	21.8	17.4	26.0

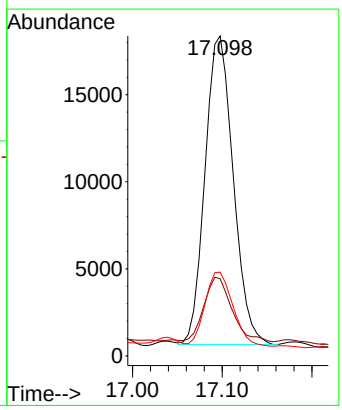


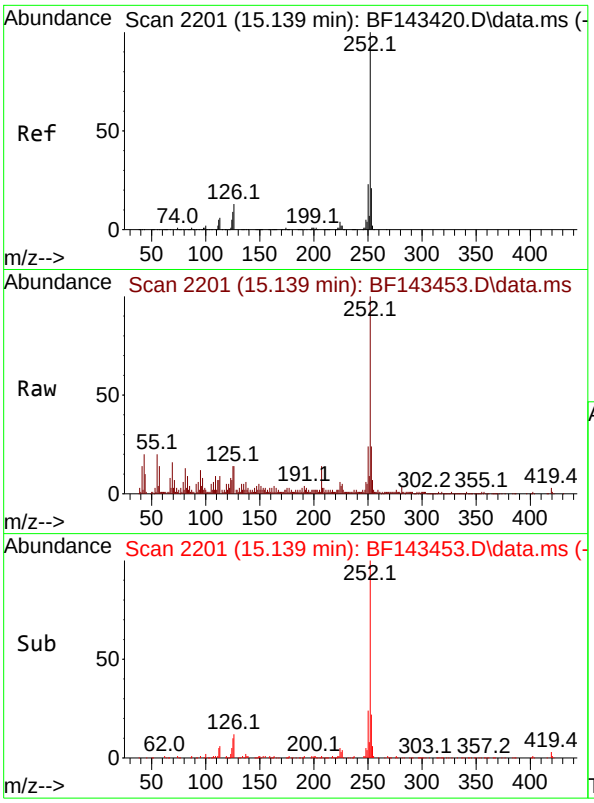


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.488 ng
RT: 17.098 min Scan# 2534
Delta R.T. -0.000 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion:276 Resp: 38698

Ion	Ratio	Lower	Upper
276	100		
138	21.1	20.2	30.4
277	23.9	20.2	30.2



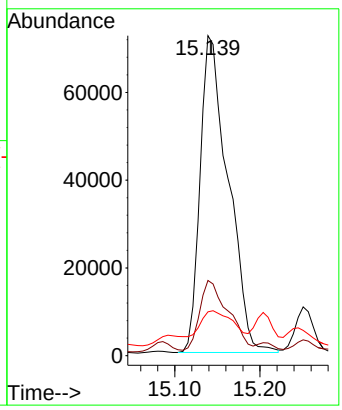


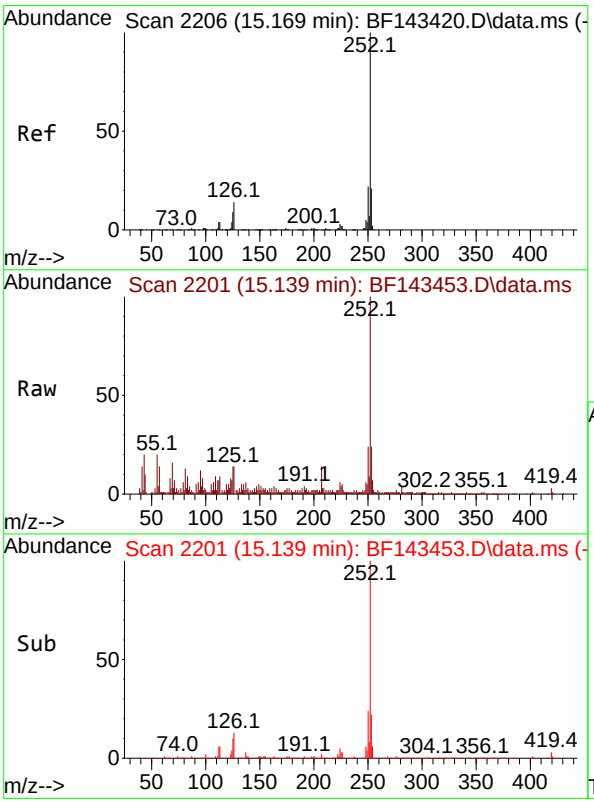
#88
Benzo(b)fluoranthene
Concen: 14.898 ng
RT: 15.139 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Tgt Ion:252 Resp: 165633

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	13.7	7.5	11.3#

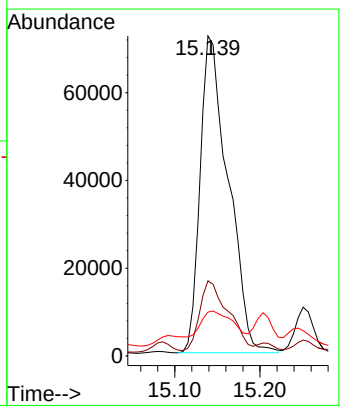


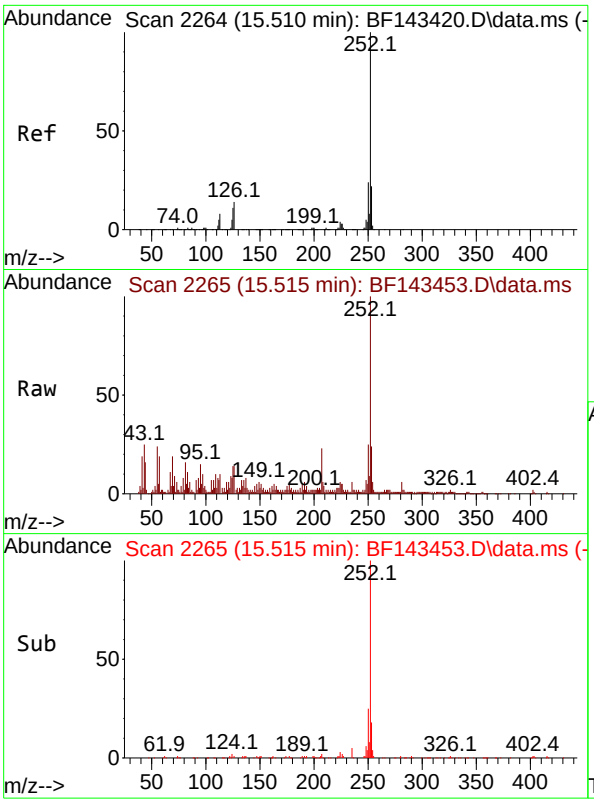


#89
Benzo(k)fluoranthene
Concen: 15.105 ng
RT: 15.139 min Scan# 2201
Delta R.T. -0.030 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion:252 Resp: 165633

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.2	25.8
125	13.7	7.4	11.2#



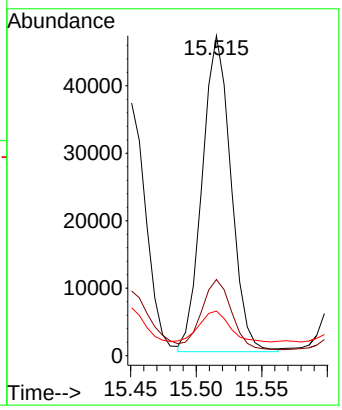


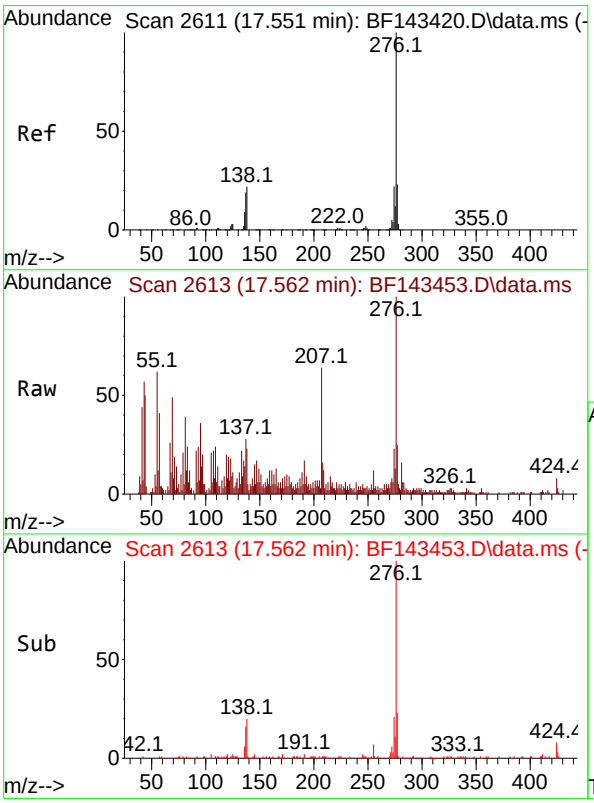
#90
Benzo(a)pyrene
Concen: 6.758 ng
RT: 15.515 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Tgt Ion:252 Resp: 71563

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.2
125	14.0	8.6	12.8#

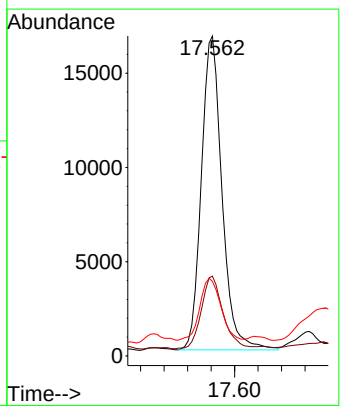




#92
Benzo(g,h,i)perylene
Concen: 3.259 ng
RT: 17.562 min Scan# 2613
Delta R.T. 0.012 min
Lab File: BF143453.D
Acq: 19 Aug 2025 13:30

Tgt Ion:276 Resp: 40674

Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.7	28.1
138	23.3	17.5	26.3



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143454.D
Acq On : 19 Aug 2025 13:59
Operator : RC/JU
Sample : Q2879-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Quant Time: Aug 19 14:23:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

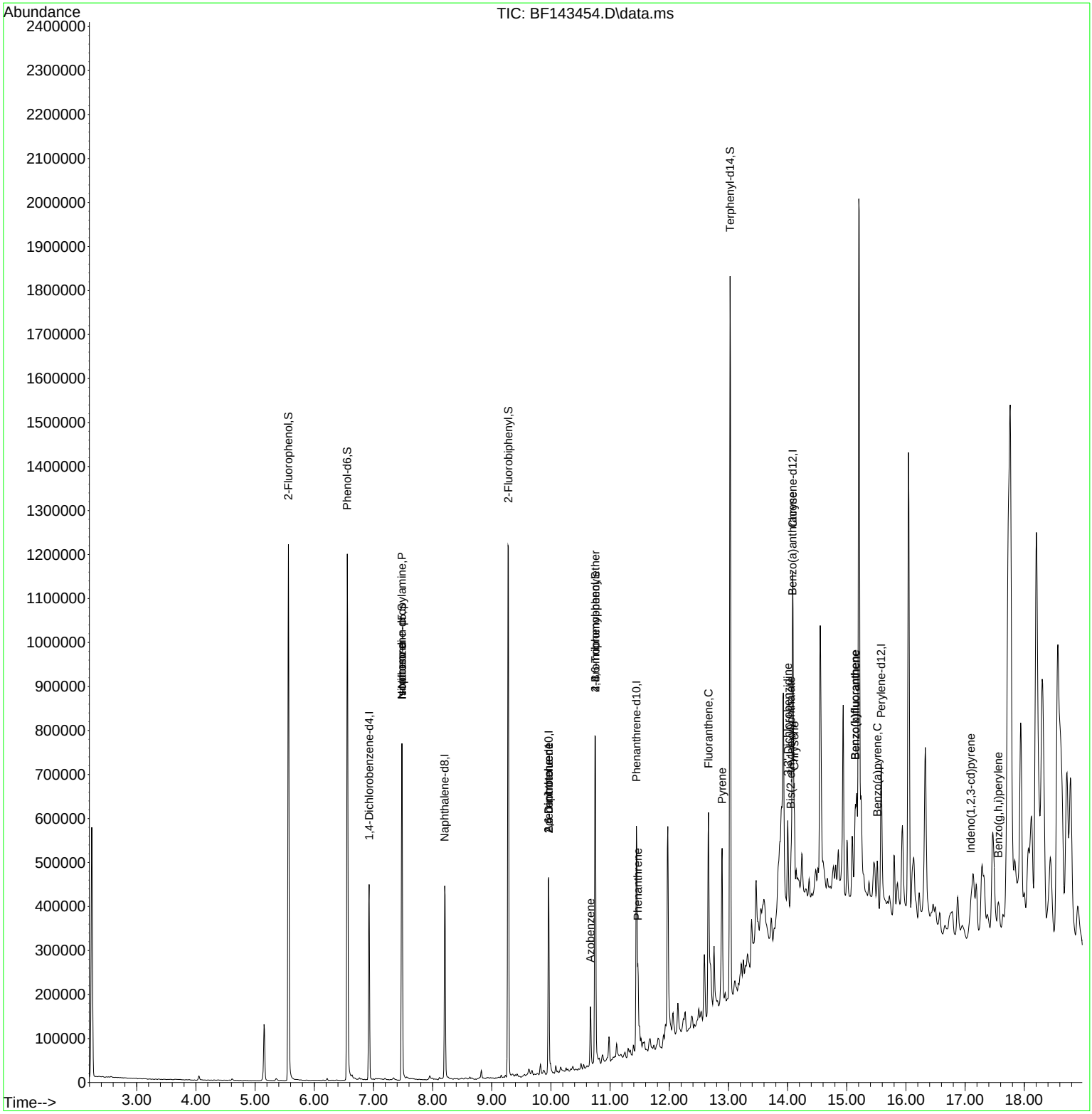
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	93502	20.000	ng		0.00
21) Naphthalene-d8	8.204	136	282085	20.000	ng		0.00
39) Acenaphthene-d10	9.963	164	137092	20.000	ng		0.00
64) Phenanthrene-d10	11.445	188	259400	20.000	ng		0.00
76) Chrysene-d12	14.086	240	307100	20.000	ng		0.00
86) Perylene-d12	15.580	264	179616	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.563	112	441466	82.074	ng		0.00
7) Phenol-d6	6.557	99	544998	80.400	ng		0.00
23) Nitrobenzene-d5	7.481	82	320998	67.525	ng		0.00
42) 2,4,6-Tribromophenol	10.751	330	131990	108.169	ng		0.00
45) 2-Fluorobiphenyl	9.281	172	548973	67.354	ng		0.00
79) Terphenyl-d14	13.027	244	797904	43.646	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	44009	10.487	ng	#	78
25) Isophorone	7.481	82	319815	35.151	ng	#	65
51) 2,6-Dinitrotoluene	9.963	165	18039	10.706	ng	#	24
57) 2,4-Dinitrotoluene	9.963	165	18095	8.055	ng	#	25
63) Azobenzene	10.669	77	31264	3.916	ng	#	1
67) 4-Bromophenyl-phenylether	10.751	248	8954	2.923	ng	#	1
71) Phenanthrene	11.469	178	87046	6.197	ng		100
75) Fluoranthene	12.663	202	237722	19.046	ng		99
78) Pyrene	12.892	202	206472	7.735	ng		98
81) Benzo(a)anthracene	14.080	228	129626	6.630	ng		95
82) 3,3'-Dichlorobenzidine	14.004	252	61952	10.822	ng	#	34
83) Chrysene	14.116	228	114265	6.322	ng		98
84) Bis(2-ethylhexyl)phtha...	14.057	149	40670	4.332	ng		98
87) Indeno(1,2,3-cd)pyrene	17.098	276	38371	2.849	ng		93
88) Benzo(b)fluoranthene	15.145	252	142997	14.854	ng	#	91
89) Benzo(k)fluoranthene	15.145	252	142997	15.060	ng	#	91
90) Benzo(a)pyrene	15.515	252	59661	6.507	ng	#	92
92) Benzo(g,h,i)perylene	17.562	276	38729	3.584	ng		94

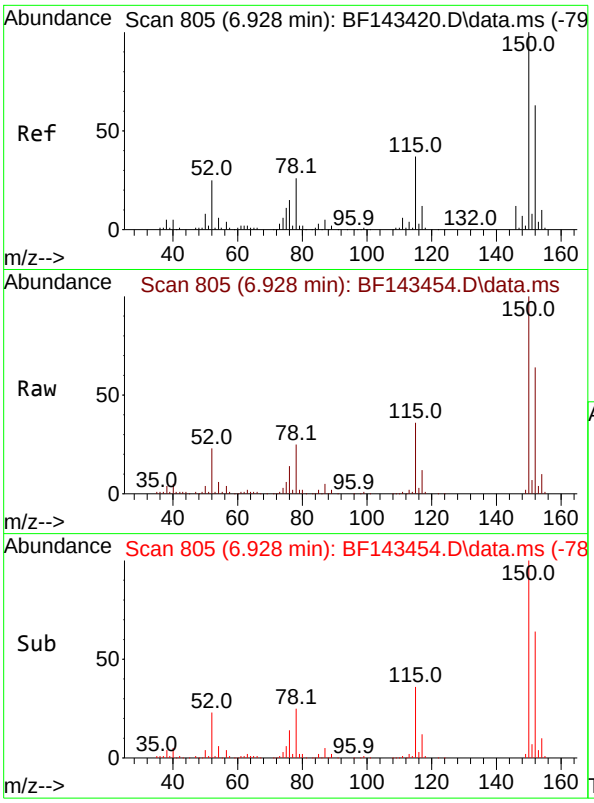
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143454.D
Acq On : 19 Aug 2025 13:59
Operator : RC/JU
Sample : Q2879-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Quant Time: Aug 19 14:23:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration



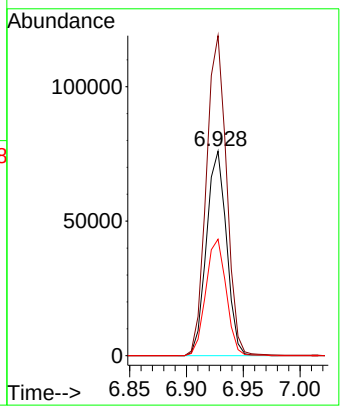


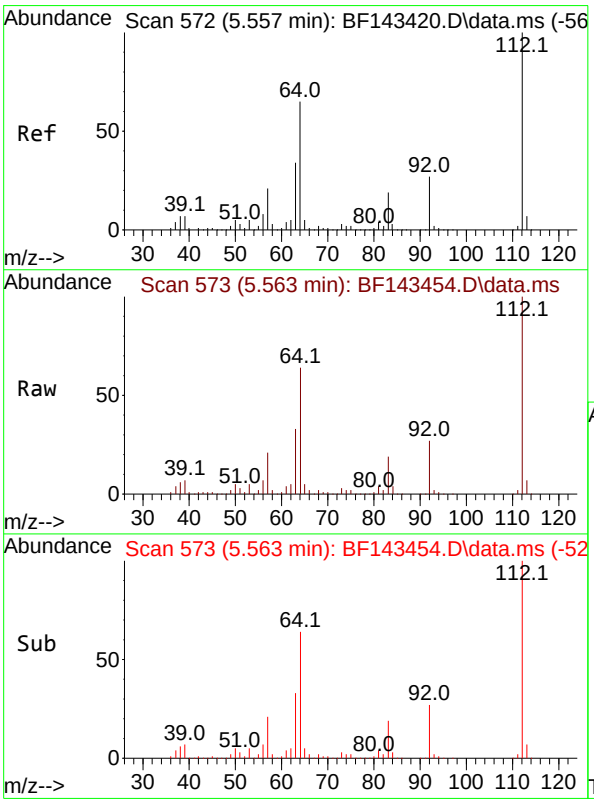
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Tgt Ion:152 Resp: 93502

Ion	Ratio	Lower	Upper
152	100		
150	156.5	127.4	191.2
115	57.0	47.5	71.3

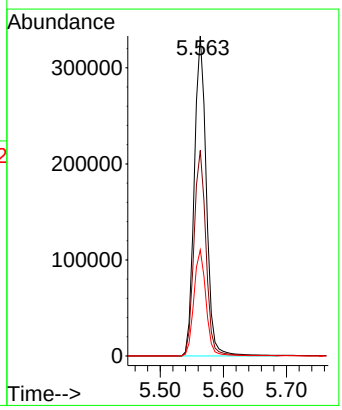


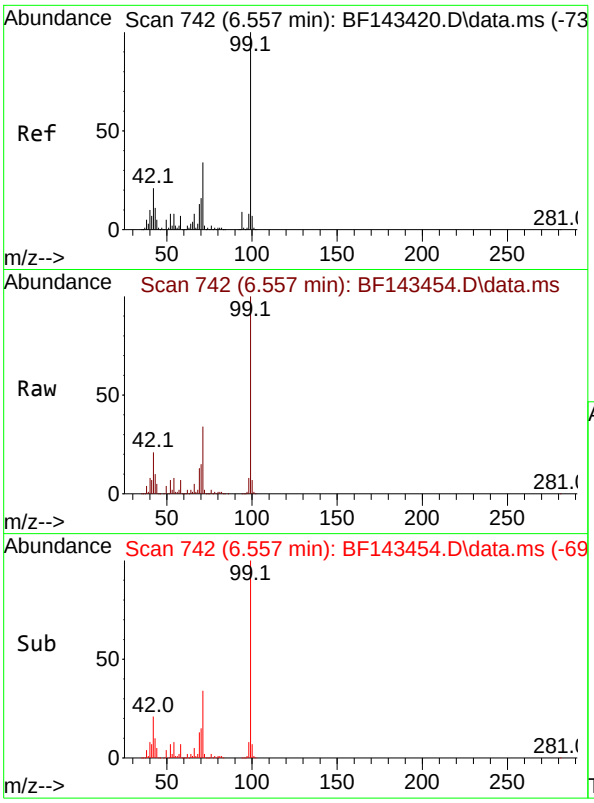


#5
2-Fluorophenol
Concen: 82.074 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.006 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:112 Resp: 441466

Ion	Ratio	Lower	Upper
112	100		
64	64.3	52.2	78.2
63	33.2	27.0	40.6



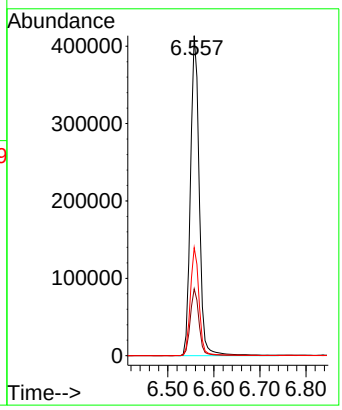


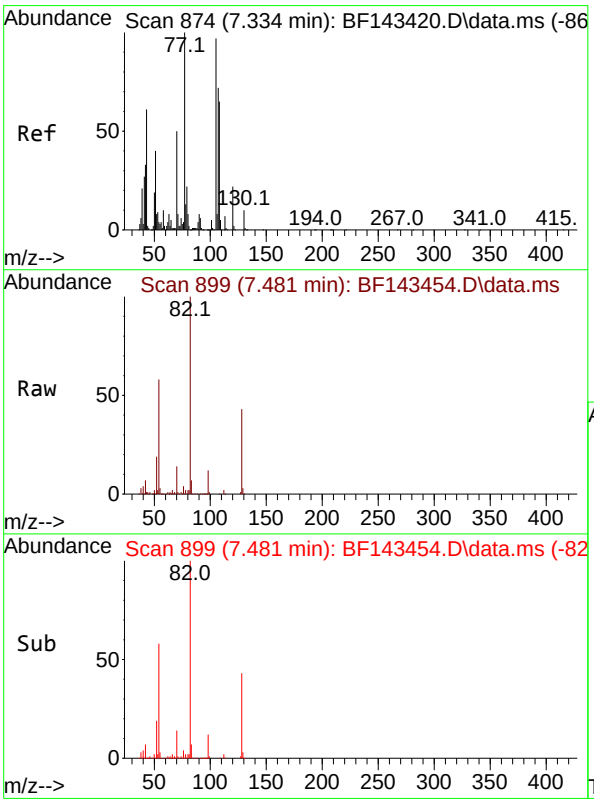
#7
Phenol-d6
Concen: 80.400 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Tgt Ion: 99 Resp: 544998

Ion	Ratio	Lower	Upper
99	100		
42	20.9	17.0	25.6
71	33.8	27.4	41.2

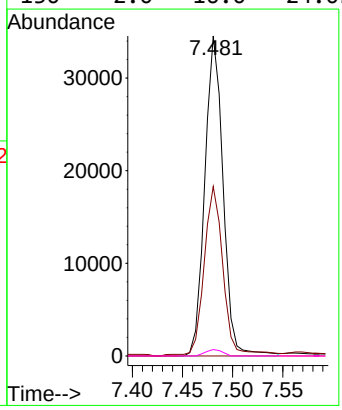


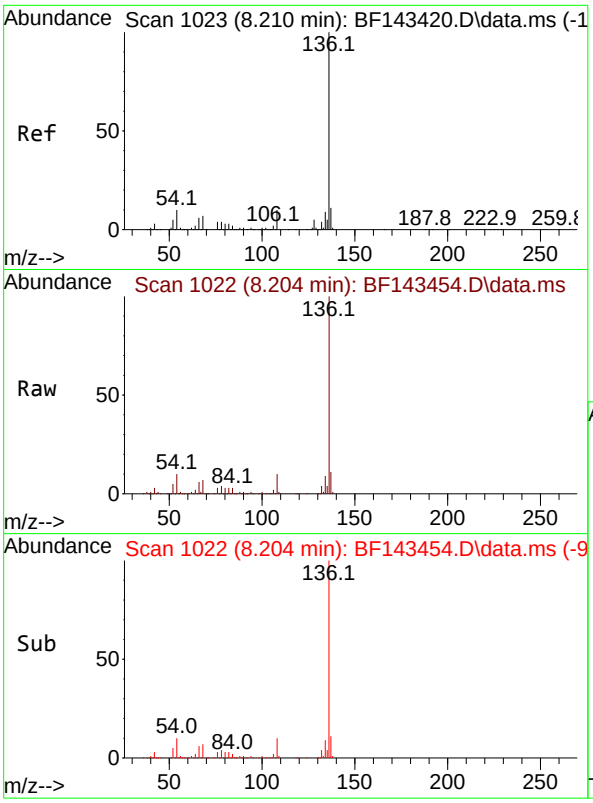


#19
n-Nitroso-di-n-propylamine
Concen: 10.487 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.147 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion: 70 Resp: 44009

Ion	Ratio	Lower	Upper
70	100		
42	52.9	52.5	78.7
101	0.0	7.9	11.9#
130	2.0	16.0	24.0#



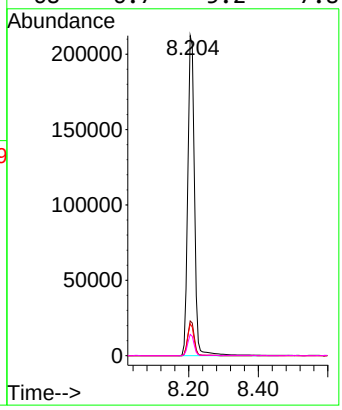


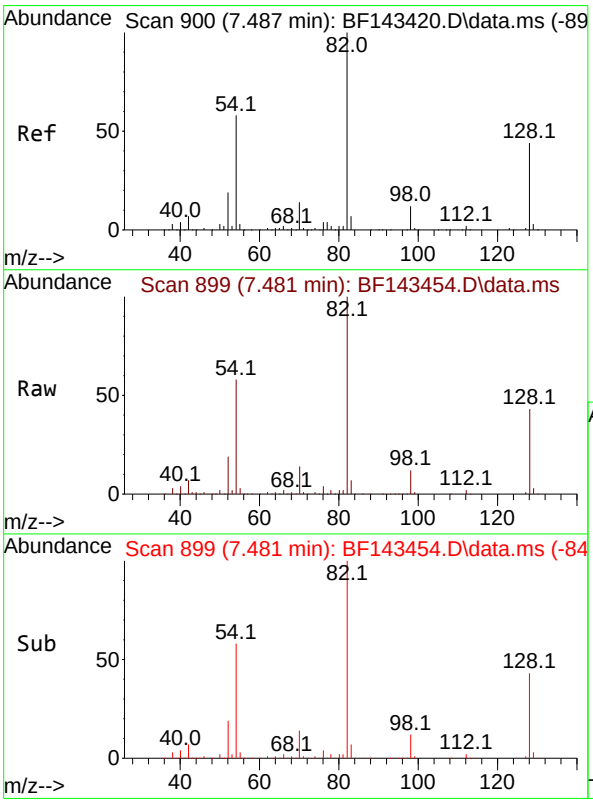
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Tgt Ion:136 Resp: 282085

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	10.0	7.8	11.8
68	6.7	5.2	7.8

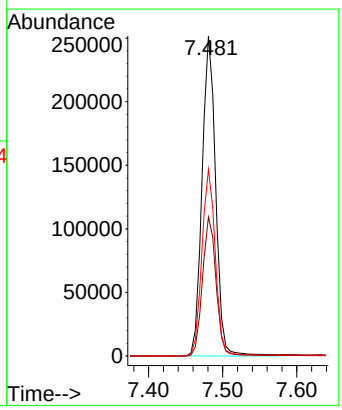


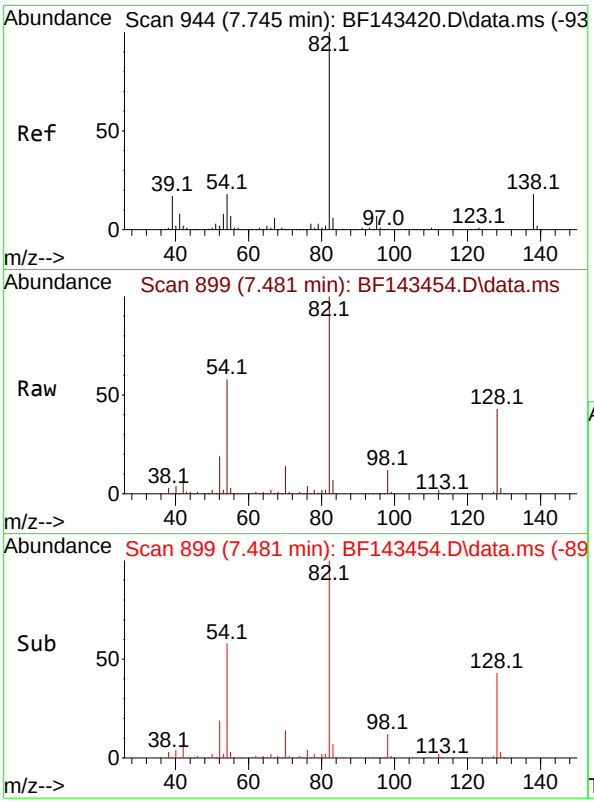


#23
Nitrobenzene-d5
Concen: 67.525 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion: 82 Resp: 320998

Ion	Ratio	Lower	Upper
82	100		
128	43.4	34.6	52.0
54	58.3	46.0	69.0



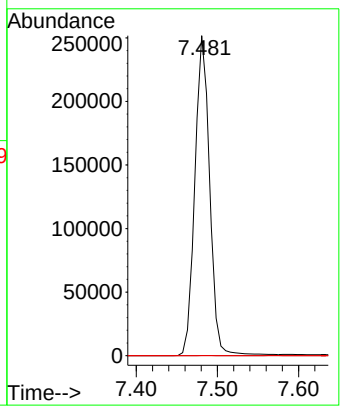


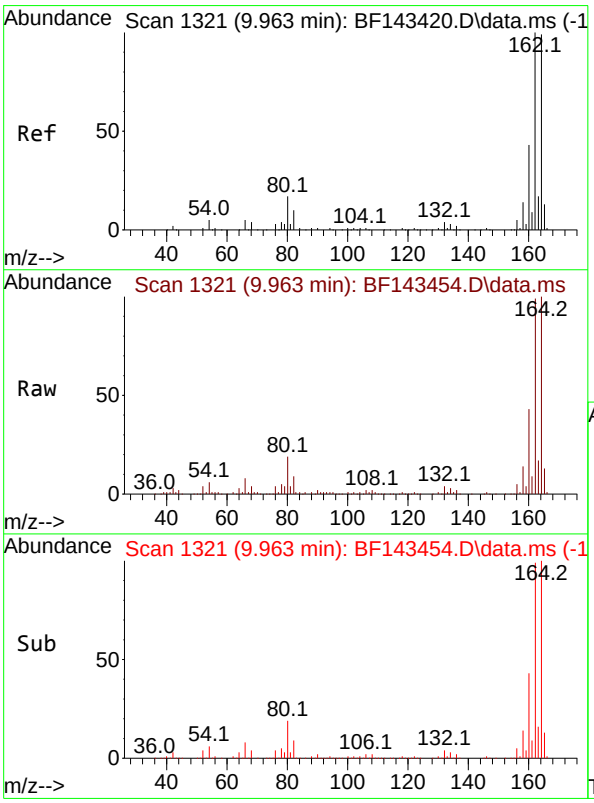
#25
Isophorone
Concen: 35.151 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.265 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Tgt Ion: 82 Resp: 319815

Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.6	8.4#
138	0.0	14.3	21.5#

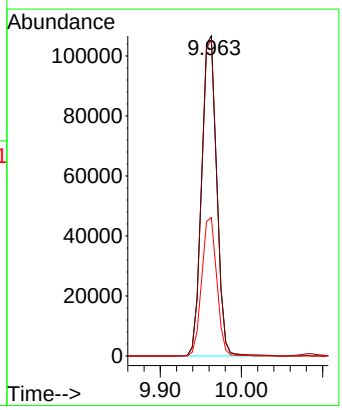


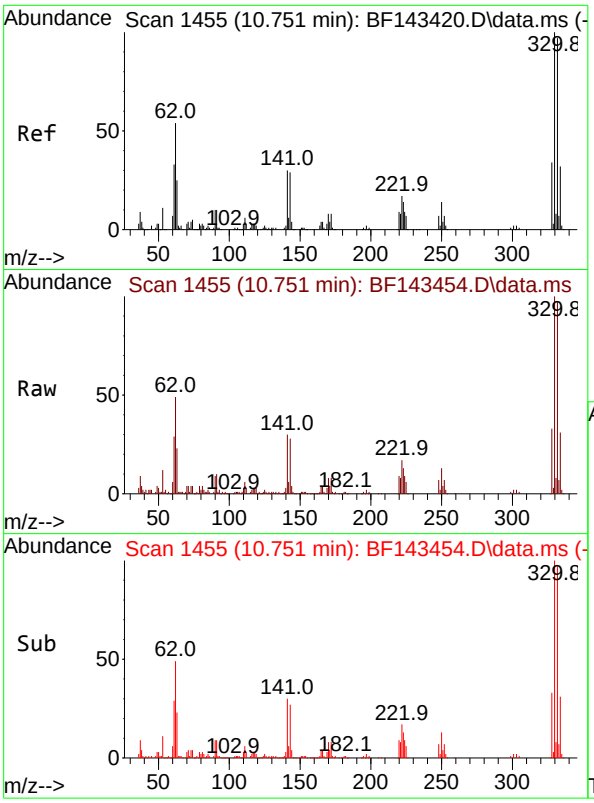


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:164 Resp: 137092

Ion	Ratio	Lower	Upper
164	100		
162	98.8	80.6	121.0
160	43.2	34.6	51.8



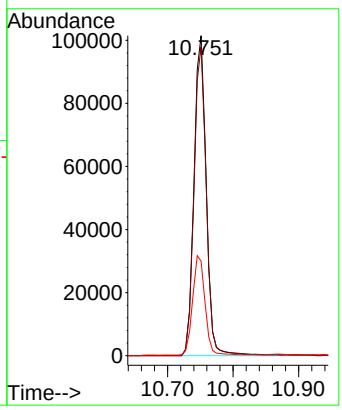


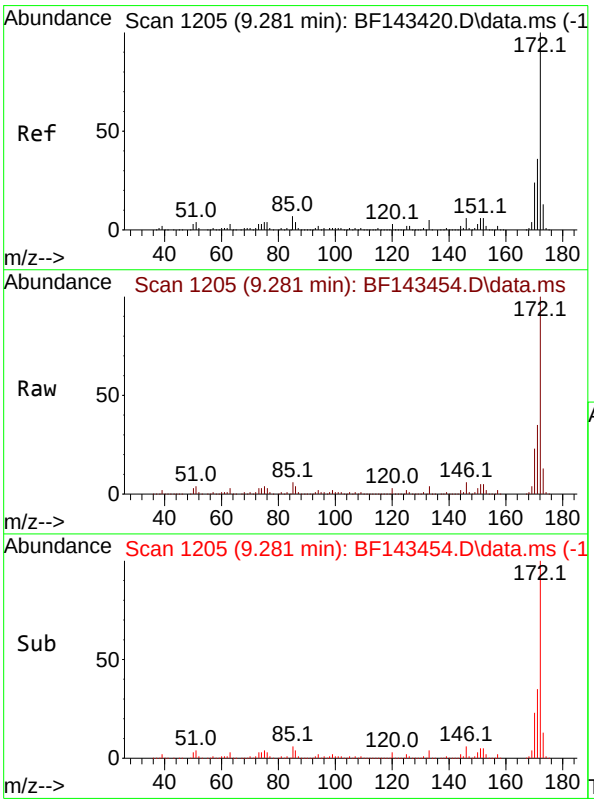
#42
2,4,6-Tribromophenol
Concen: 108.169 ng
RT: 10.751 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Tgt Ion:330 Resp: 131990

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.4	116.2
141	31.4	24.1	36.1

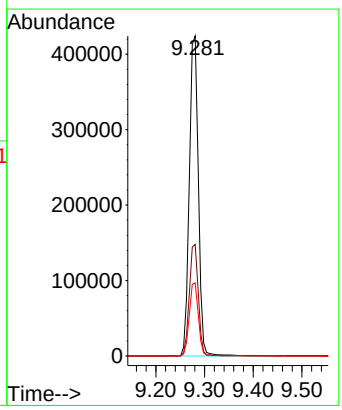


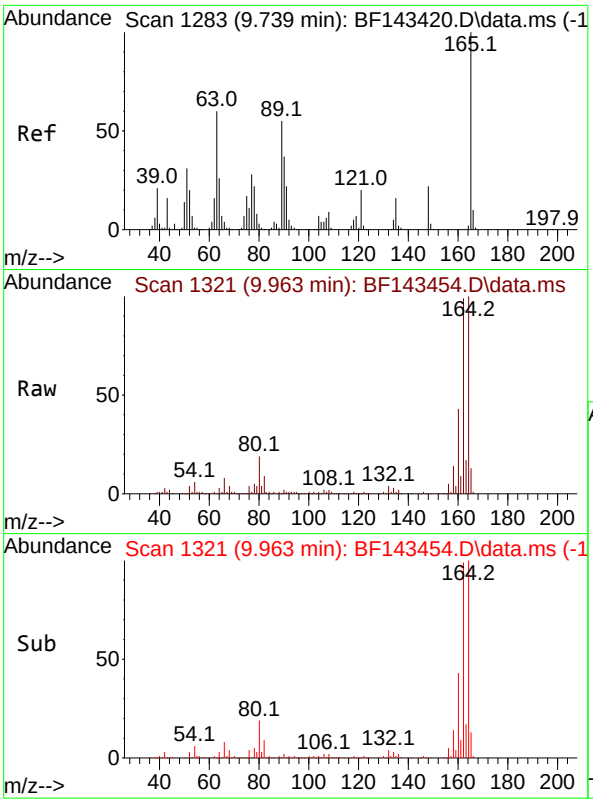


#45
2-Fluorobiphenyl
Concen: 67.354 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:172 Resp: 548973

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.7	43.1
170	22.9	19.0	28.6



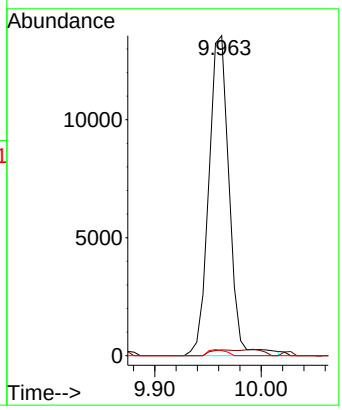


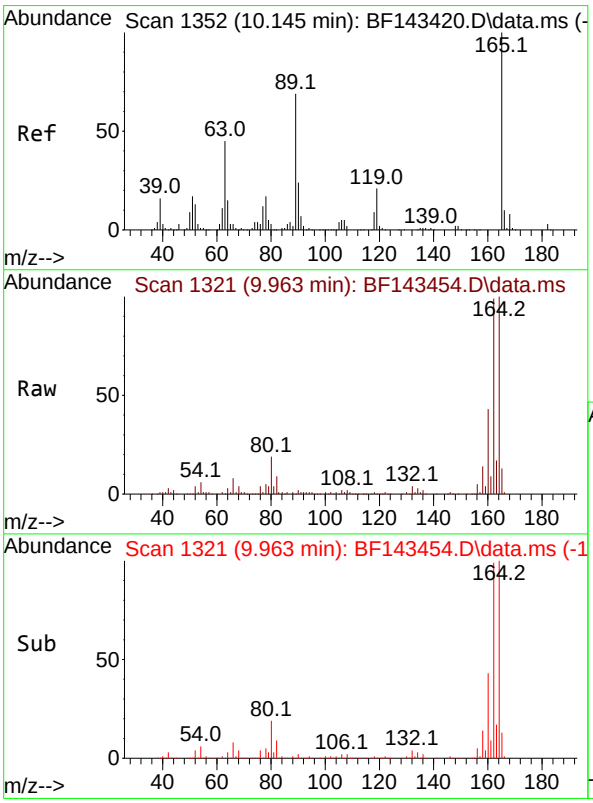
#51
2,6-Dinitrotoluene
Concen: 10.706 ng
RT: 9.963 min Scan# 1
Delta R.T. 0.223 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Tgt Ion:165 Resp: 18039

Ion	Ratio	Lower	Upper
165	100		
63	1.8	48.2	72.2#
89	1.6	44.2	66.2#

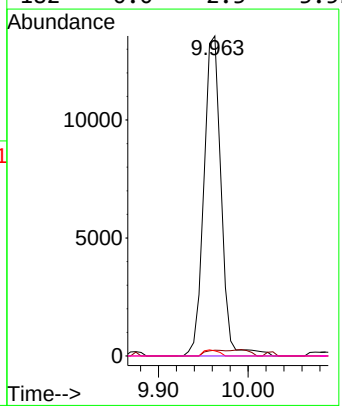


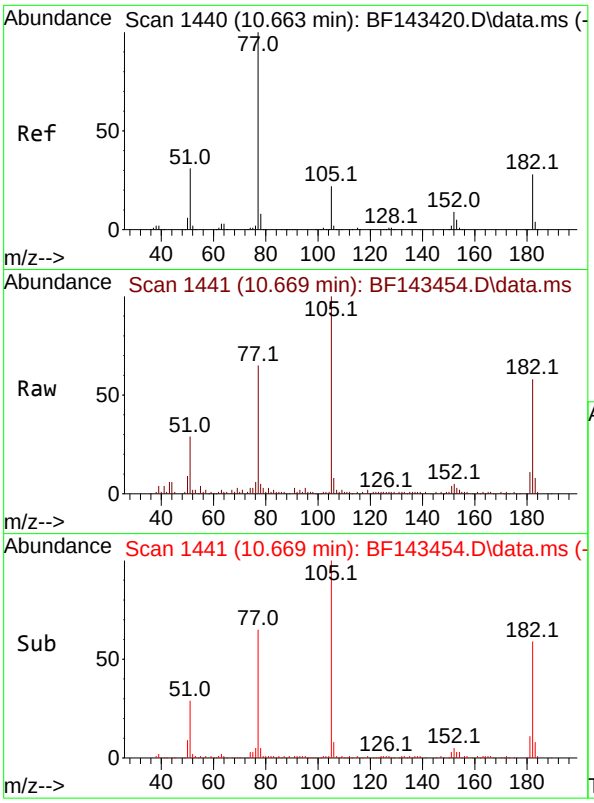


#57
2,4-Dinitrotoluene
Concen: 8.055 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.182 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:165 Resp: 18095

Ion	Ratio	Lower	Upper
165	100		
63	1.8	37.0	55.6#
89	1.6	55.4	83.0#
182	0.0	2.3	3.5#



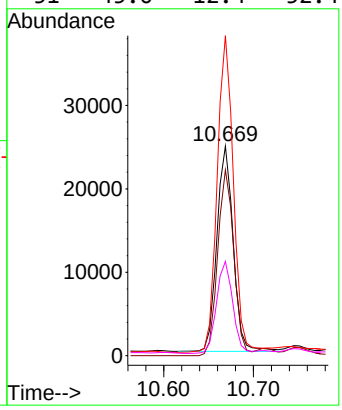


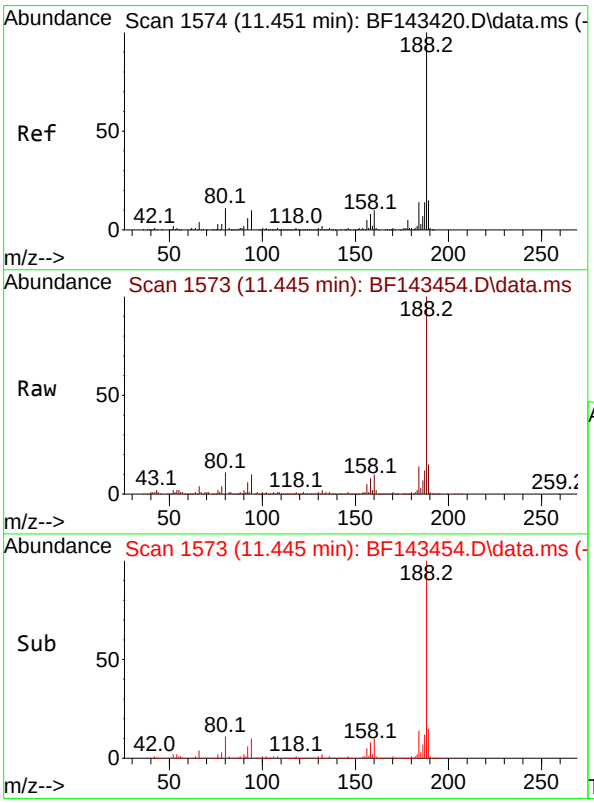
#63
Azobenzene
Concen: 3.916 ng
RT: 10.669 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Tgt Ion: 77 Resp: 31264

Ion	Ratio	Lower	Upper
77	100		
182	88.7	7.4	47.4#
105	152.7	1.7	41.7#
51	45.0	12.4	52.4

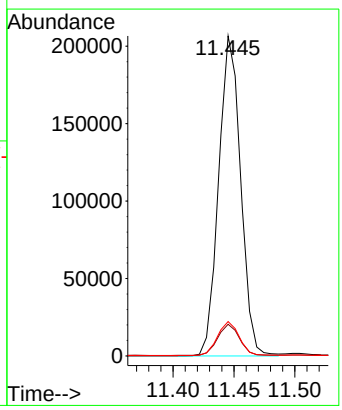


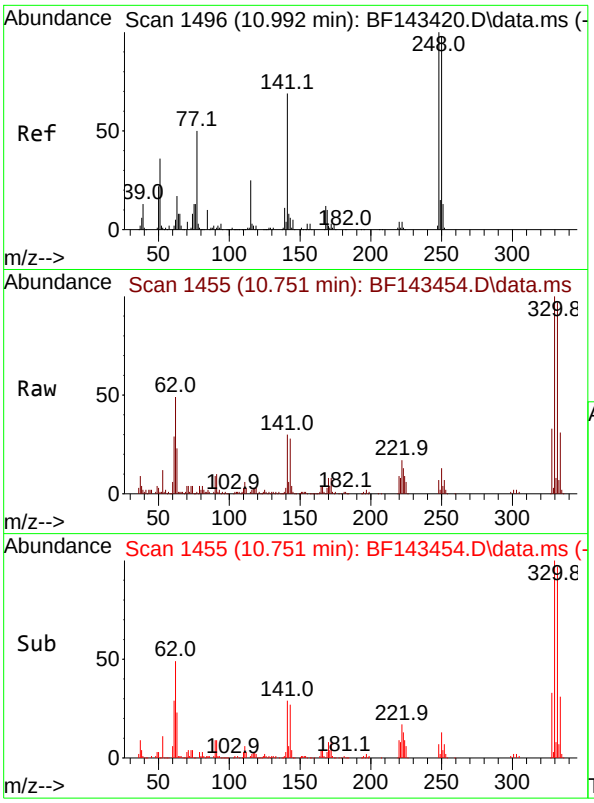


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:188 Resp: 259400

Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.0	12.0
80	10.8	8.6	12.8



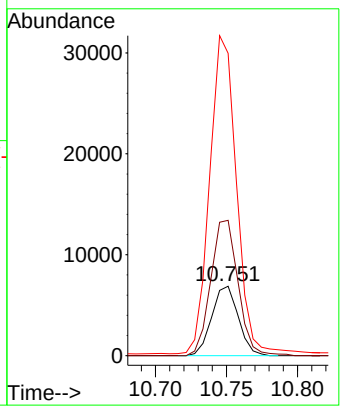


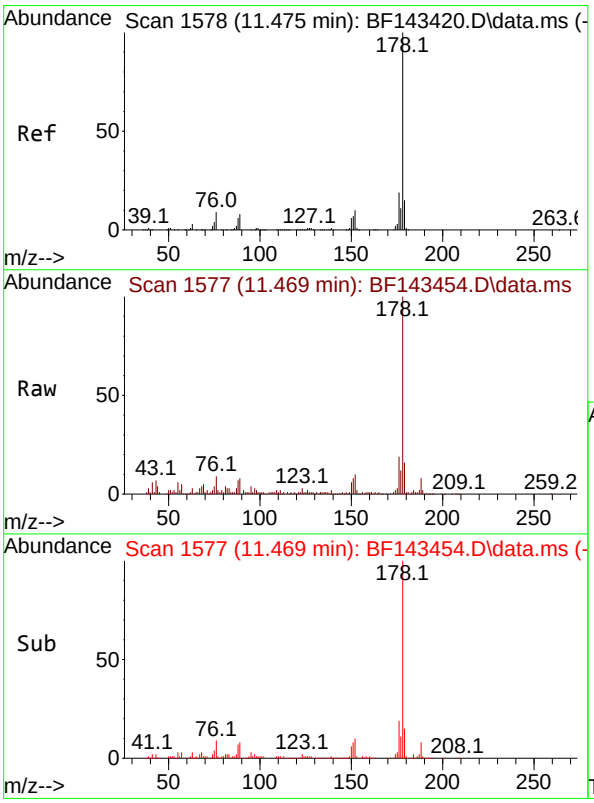
#67
4-Bromophenyl-phenylether
Concen: 2.923 ng
RT: 10.751 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Tgt Ion:248 Resp: 8954

Ion	Ratio	Lower	Upper
248	100		
250	195.2	78.6	118.0#
141	435.9	54.9	82.3#

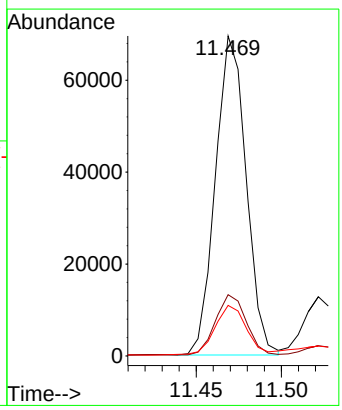


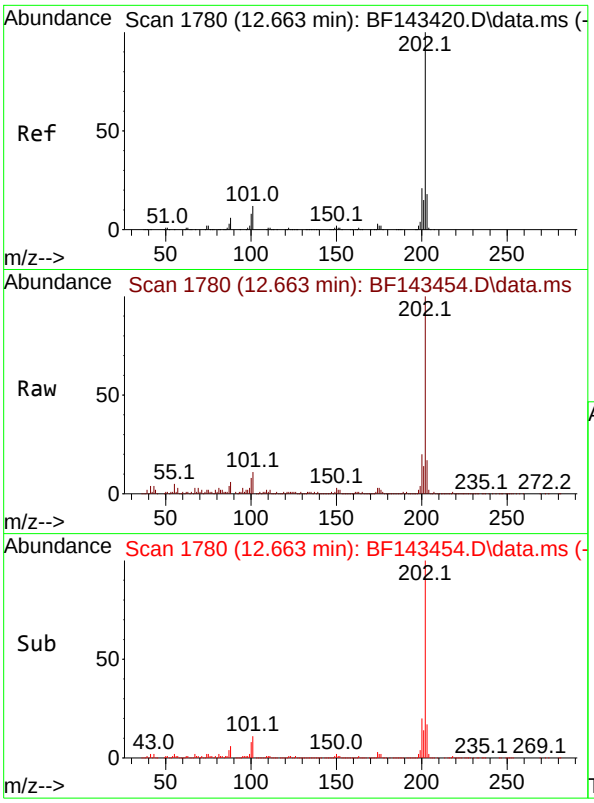


#71
Phenanthrene
Concen: 6.197 ng
RT: 11.469 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:178 Resp: 87046

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.8	12.3	18.5



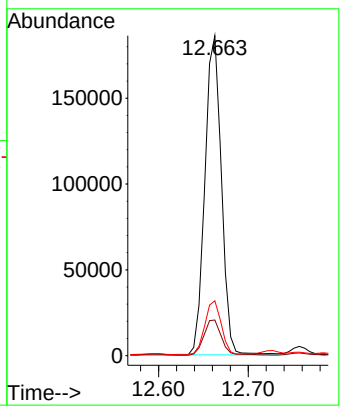


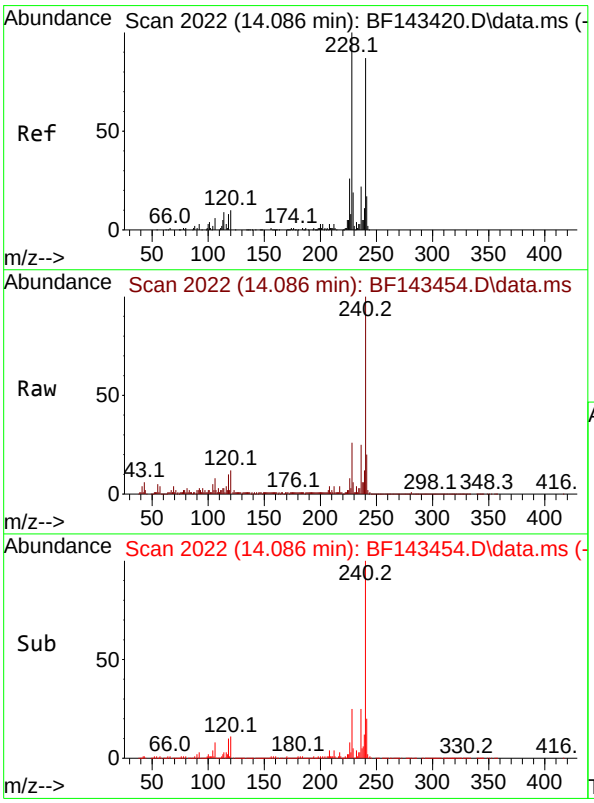
#75
Fluoranthene
Concen: 19.046 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Tgt Ion:202 Resp: 237722

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.5
203	17.2	0.0	37.5

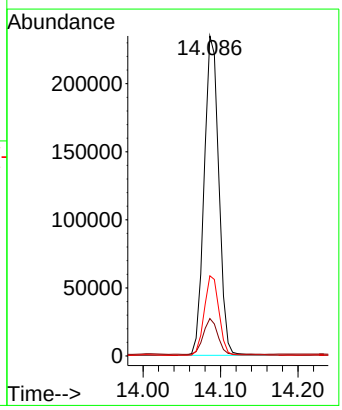


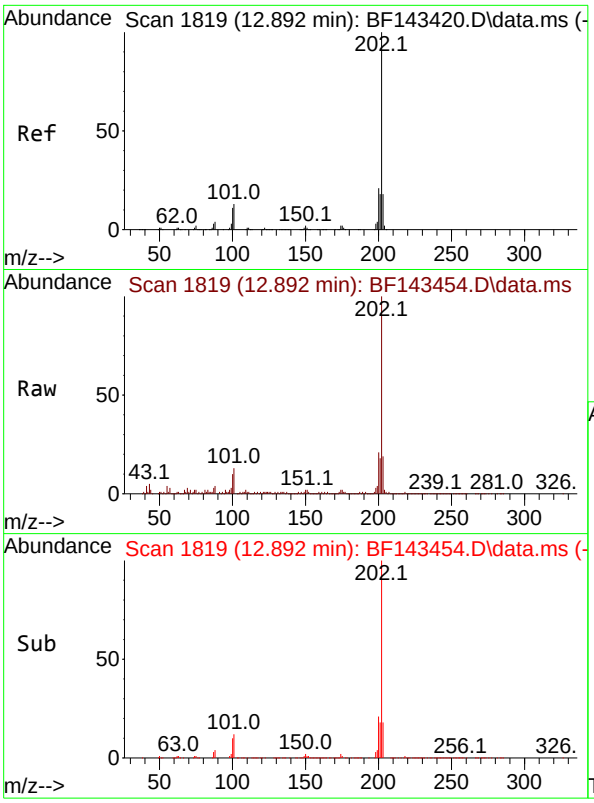


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:240 Resp: 307100

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.0	13.4
236	25.1	20.2	30.2



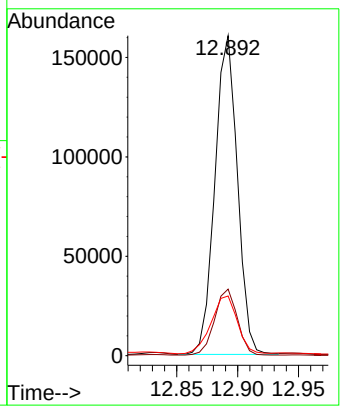


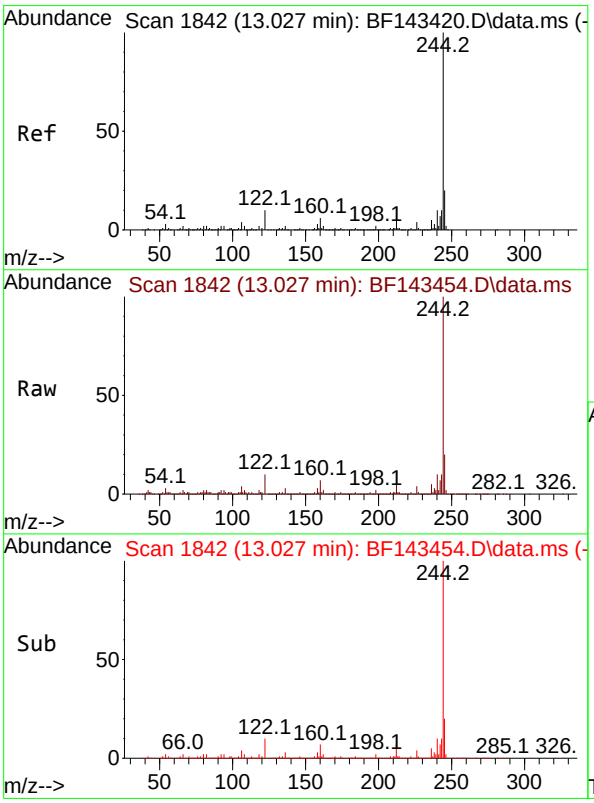
#78
Pyrene
Concen: 7.735 ng
RT: 12.892 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Tgt Ion:202 Resp: 206472

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.1	25.7
203	18.7	14.2	21.2

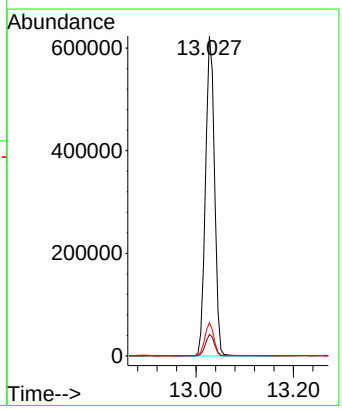


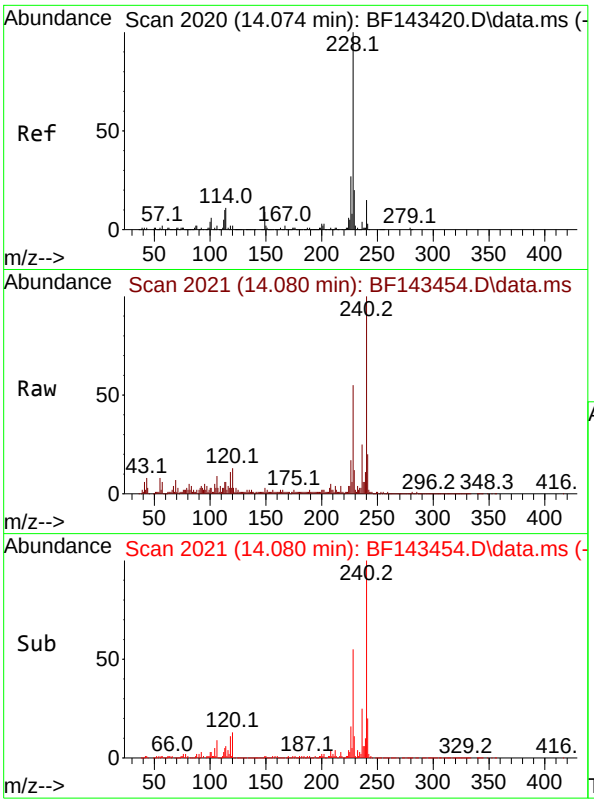


#79
Terphenyl-d14
Concen: 43.646 ng
RT: 13.027 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:244 Resp: 797904

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.2	7.8
122	10.4	8.3	12.5



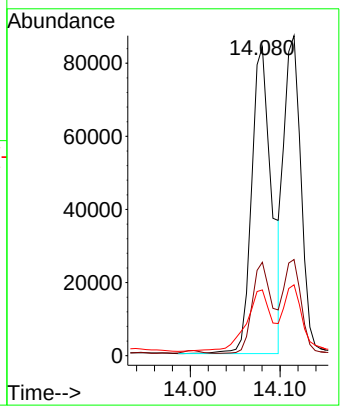


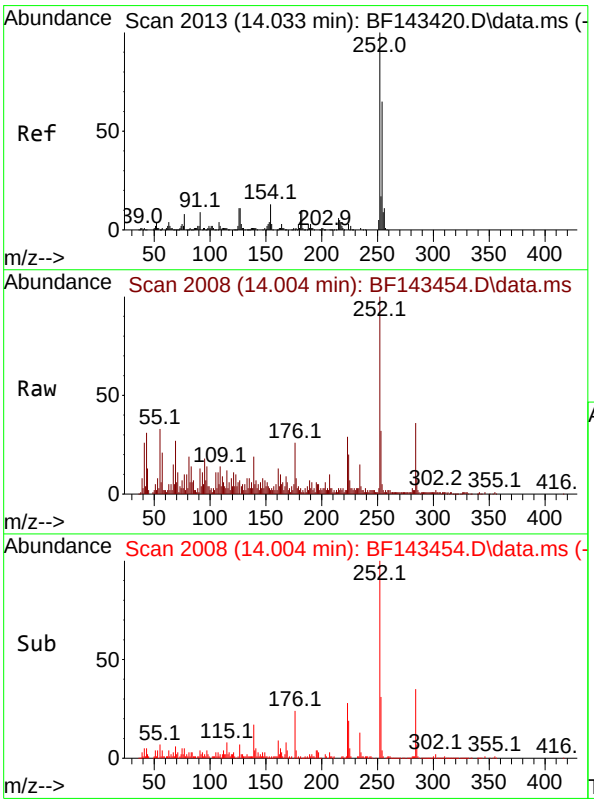
#81
Benzo(a)anthracene
Concen: 6.630 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Tgt Ion:228 Resp: 129626

Ion	Ratio	Lower	Upper
228	100		
226	30.2	21.5	32.3
229	21.3	15.7	23.5

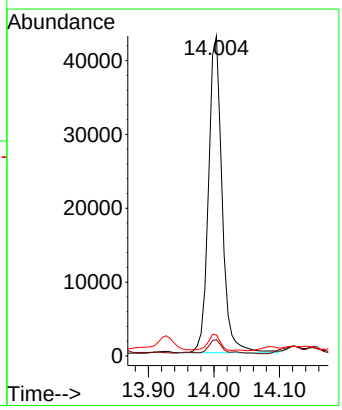


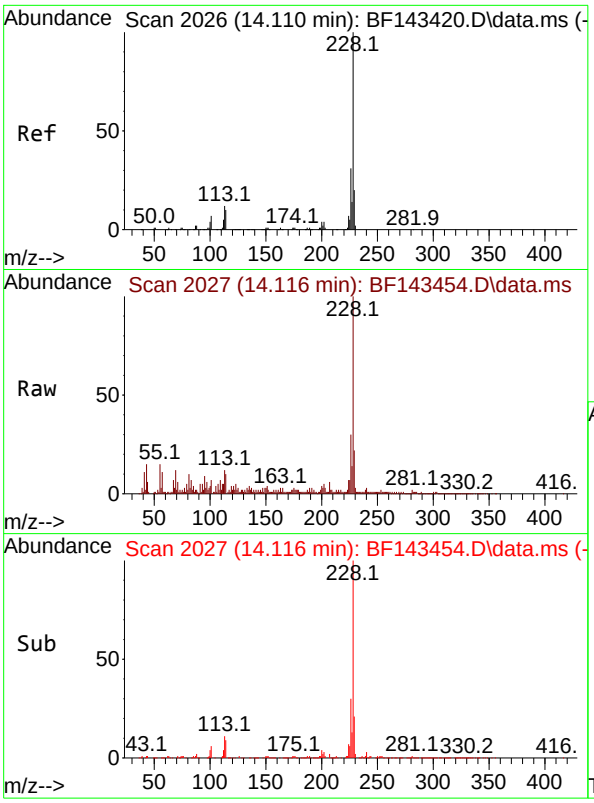


#82
3,3'-Dichlorobenzidine
Concen: 10.822 ng
RT: 14.004 min Scan# 2008
Delta R.T. -0.030 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:252 Resp: 61952

Ion	Ratio	Lower	Upper
252	100		
254	5.1	51.6	77.4#
126	6.6	8.8	13.2#



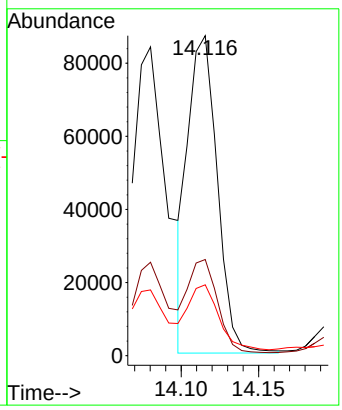


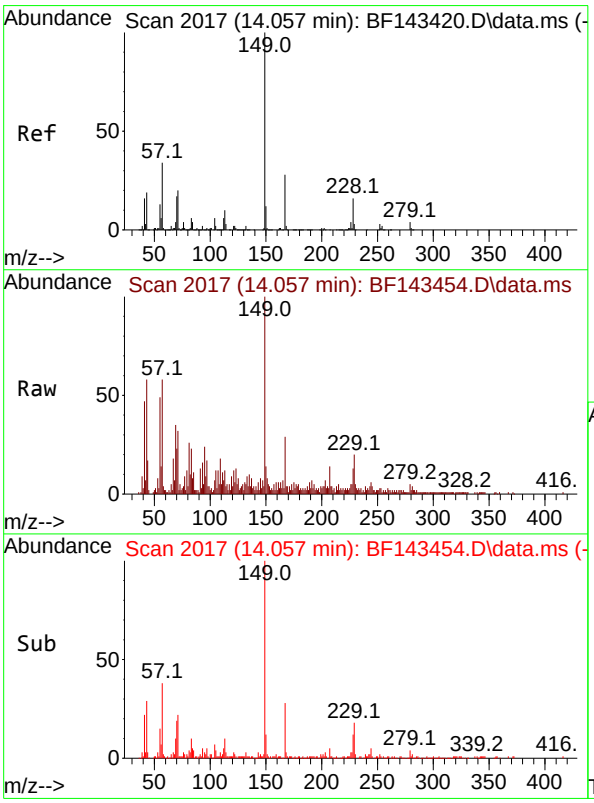
#83
Chrysene
Concen: 6.322 ng
RT: 14.116 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Tgt Ion:228 Resp: 114265

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.3	36.5
229	22.2	16.1	24.1

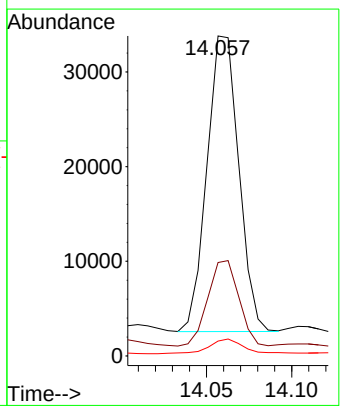


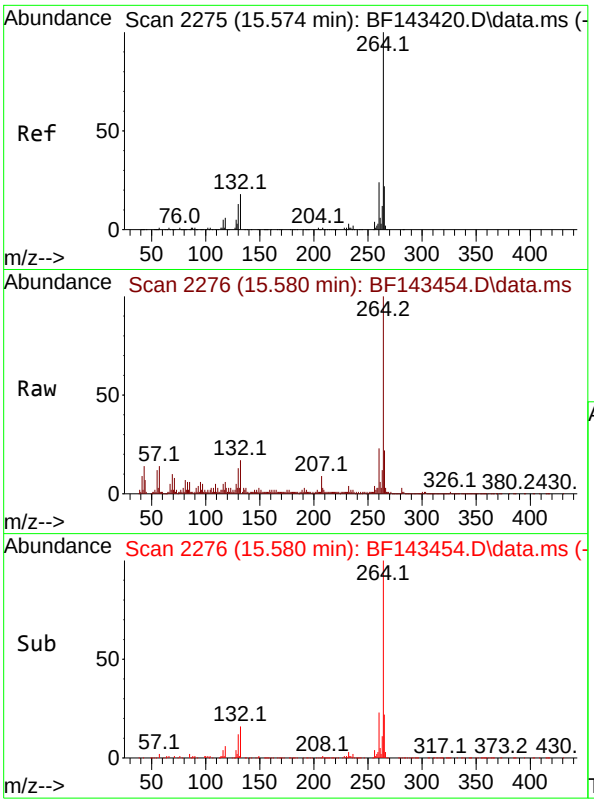


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.332 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:149 Resp: 40670

Ion	Ratio	Lower	Upper
149	100		
167	29.2	22.6	33.8
279	4.6	3.5	5.3



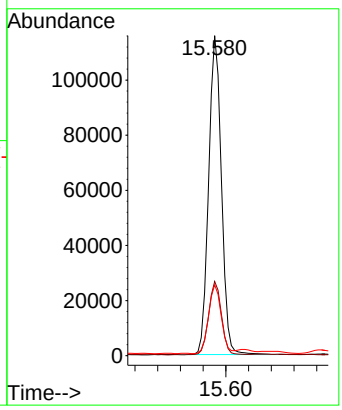


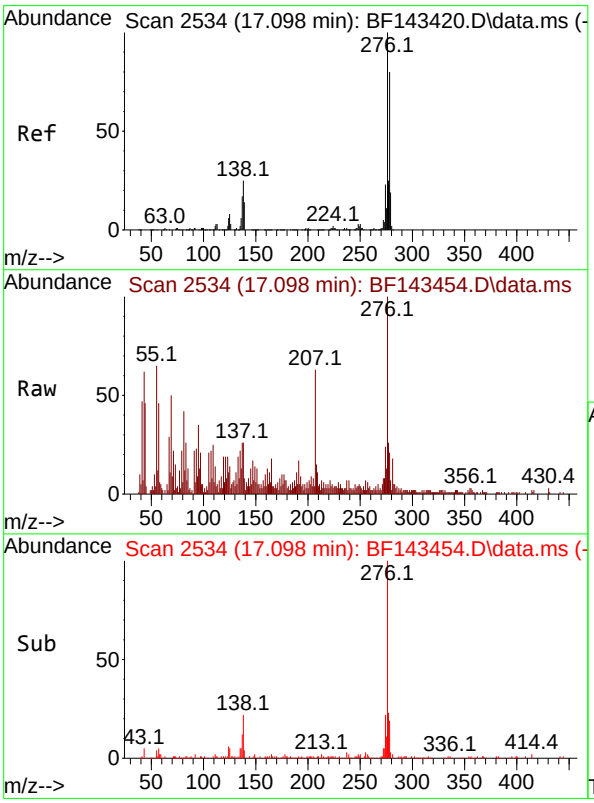
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Tgt Ion:264 Resp: 179616

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.8	28.2
265	22.1	17.4	26.0

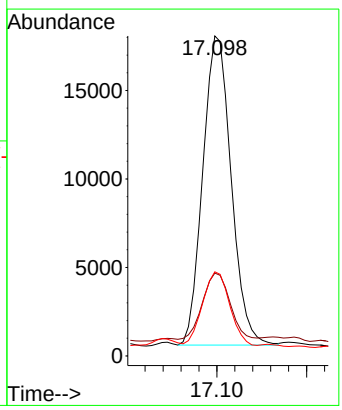


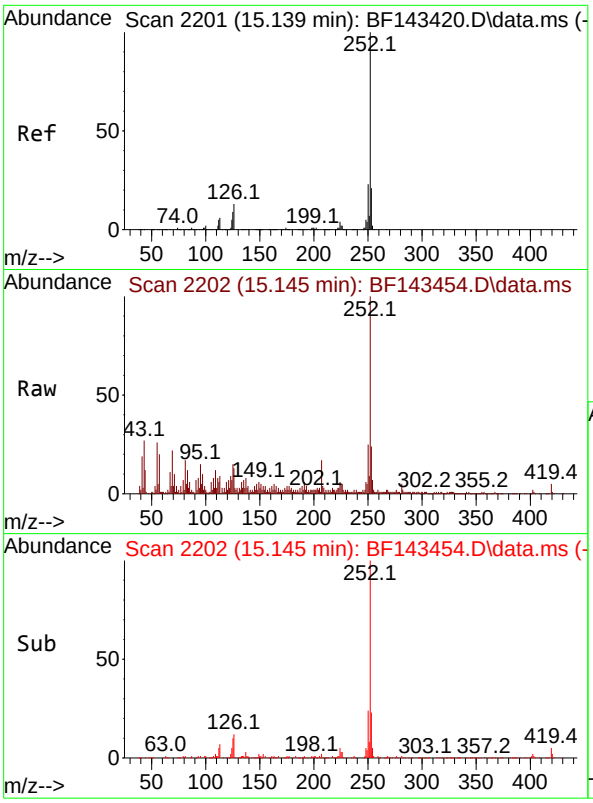


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.849 ng
RT: 17.098 min Scan# 2534
Delta R.T. -0.000 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:276 Resp: 38371

Ion	Ratio	Lower	Upper
276	100		
138	20.6	20.2	30.4
277	22.8	20.2	30.2



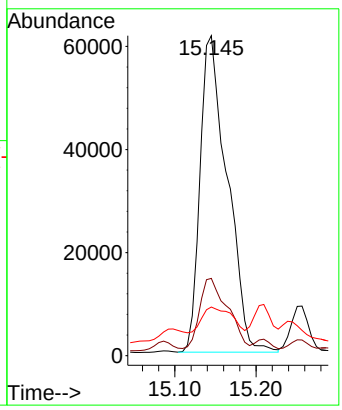


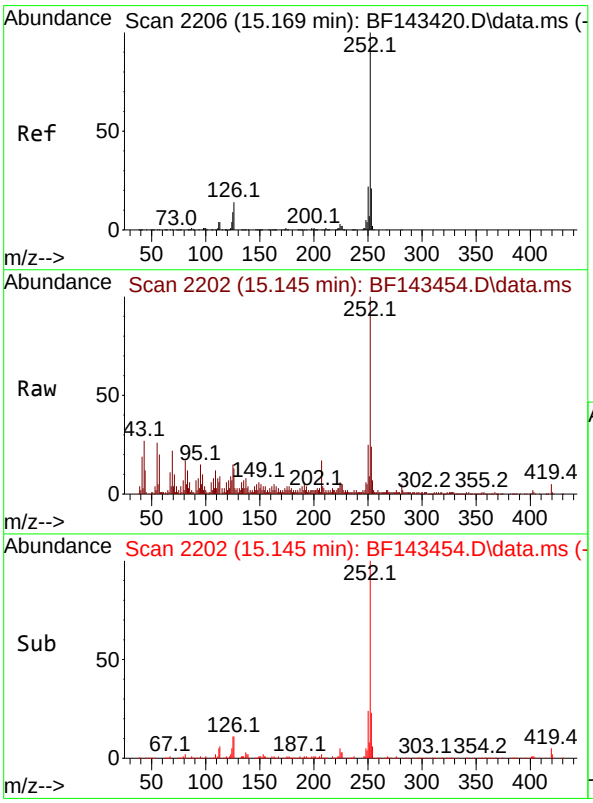
#88
Benzo(b)fluoranthene
Concen: 14.854 ng
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Tgt Ion:252 Resp: 142997

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.1	25.7
125	15.2	7.5	11.3#

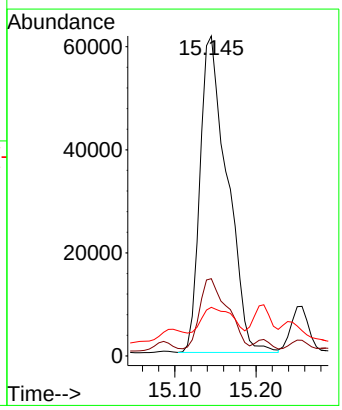


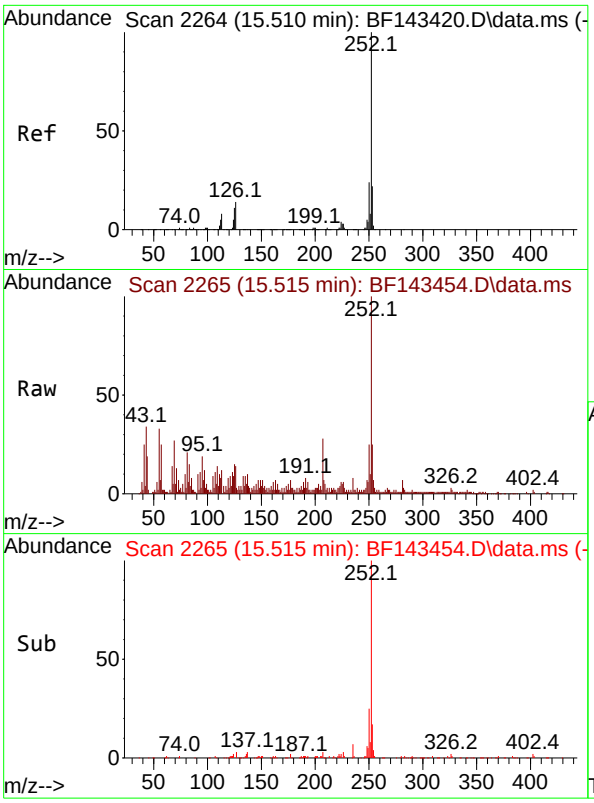


#89
Benzo(k)fluoranthene
Concen: 15.060 ng
RT: 15.145 min Scan# 2202
Delta R.T. -0.024 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:252 Resp: 142997

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.2	25.8
125	15.2	7.4	11.2#



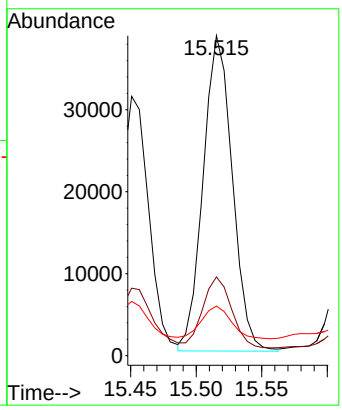


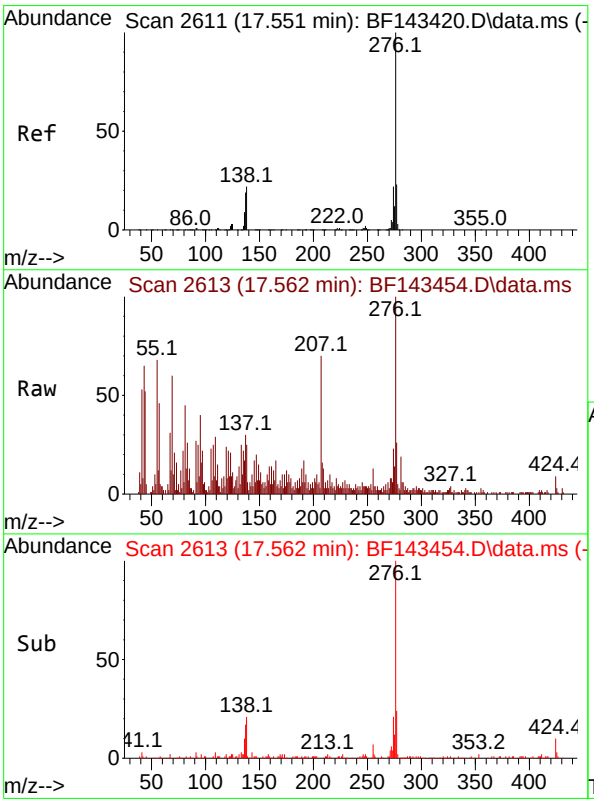
#90
Benzo(a)pyrene
Concen: 6.507 ng
RT: 15.515 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Tgt Ion:252 Resp: 59661

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.4	26.2
125	15.5	8.6	12.8#

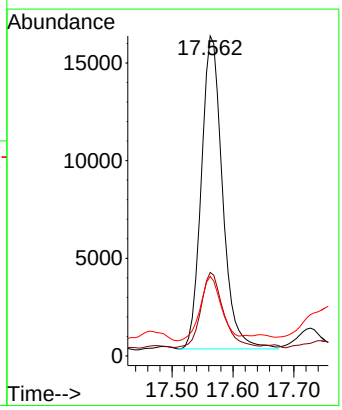




#92
Benzo(g,h,i)perylene
Concen: 3.584 ng
RT: 17.562 min Scan# 2613
Delta R.T. 0.012 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:276 Resp: 38729

Ion	Ratio	Lower	Upper
276	100		
277	26.1	18.7	28.1
138	24.9	17.5	26.3



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143455.D
Acq On : 19 Aug 2025 14:28
Operator : RC/JU
Sample : Q2879-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Quant Time: Aug 19 14:51:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	81535	20.000	ng		0.00
21) Naphthalene-d8	8.204	136	266043	20.000	ng		0.00
39) Acenaphthene-d10	9.963	164	139719	20.000	ng		0.00
64) Phenanthrene-d10	11.445	188	269890	20.000	ng		0.00
76) Chrysene-d12	14.086	240	272023	20.000	ng		0.00
86) Perylene-d12	15.580	264	174368	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.563	112	408333	87.057	ng		0.00
7) Phenol-d6	6.557	99	437182	73.960	ng		0.00
23) Nitrobenzene-d5	7.481	82	275314	61.407	ng		0.00
42) 2,4,6-Tribromophenol	10.751	330	128719	103.505	ng		0.00
45) 2-Fluorobiphenyl	9.281	172	499605	60.144	ng		0.00
79) Terphenyl-d14	13.027	244	755405	46.649	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	36852	10.070	ng	#	78
25) Isophorone	7.481	82	275311	32.084	ng	#	65
51) 2,6-Dinitrotoluene	9.957	165	18542	10.798	ng	#	24
57) 2,4-Dinitrotoluene	9.957	165	18543	8.099	ng	#	25
63) Azobenzene	10.669	77	30370	3.733	ng	#	1
67) 4-Bromophenyl-phenylether	10.751	248	8482	2.661	ng	#	1
71) Phenanthrene	11.469	178	43999	3.011	ng		99
72) Anthracene	11.469	178	43999	2.981	ng		99
74) Di-n-butylphthalate	12.004	149	30134	2.424	ng		98
75) Fluoranthene	12.663	202	136964	10.547	ng		99
78) Pyrene	12.892	202	122974	5.201	ng		99
81) Benzo(a)anthracene	14.080	228	67916	3.922	ng		93
83) Chrysene	14.110	228	74599	4.659	ng		97
84) Bis(2-ethylhexyl)phtha...	14.057	149	74678	8.979	ng		98
87) Indeno(1,2,3-cd)pyrene	17.098	276	29277	2.239	ng		96
88) Benzo(b)fluoranthene	15.145	252	94459	10.108	ng	#	89
89) Benzo(k)fluoranthene	15.145	252	94459	10.248	ng	#	89
90) Benzo(a)pyrene	15.515	252	40917	4.597	ng	#	89
92) Benzo(g,h,i)perylene	17.562	276	29859	2.846	ng	#	91

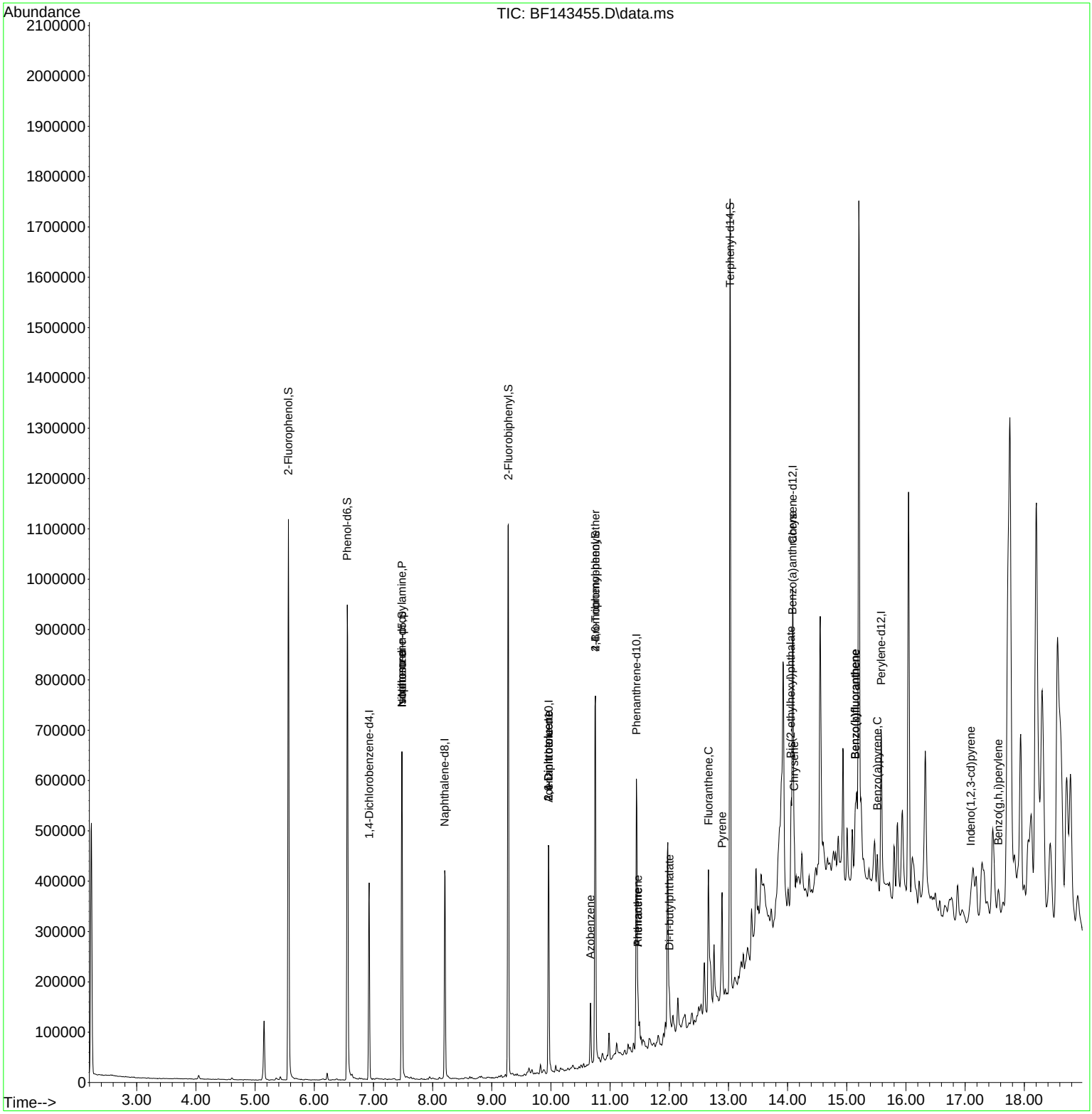
(#) = qualifier out of range (m) = manual integration (+) = signals summed

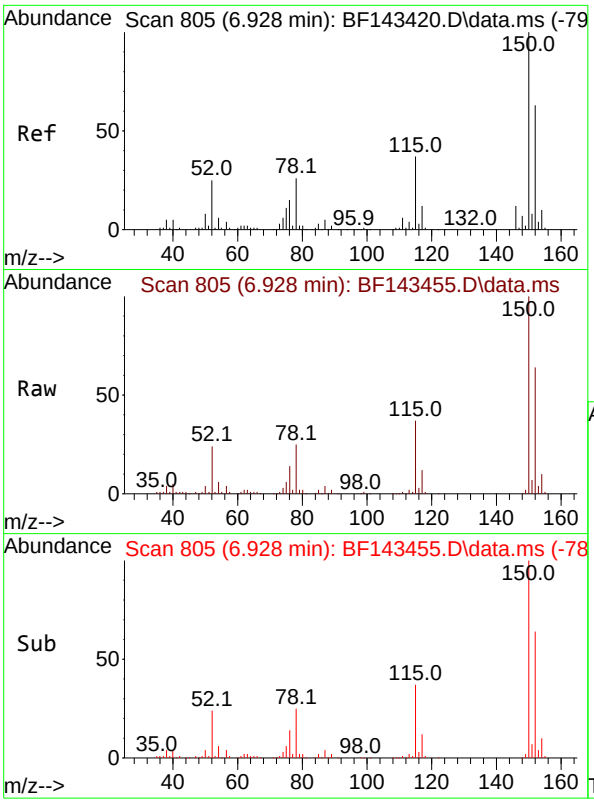
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143455.D
Acq On : 19 Aug 2025 14:28
Operator : RC/JU
Sample : Q2879-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Quant Time: Aug 19 14:51:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration



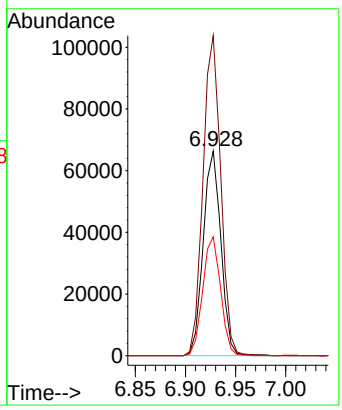


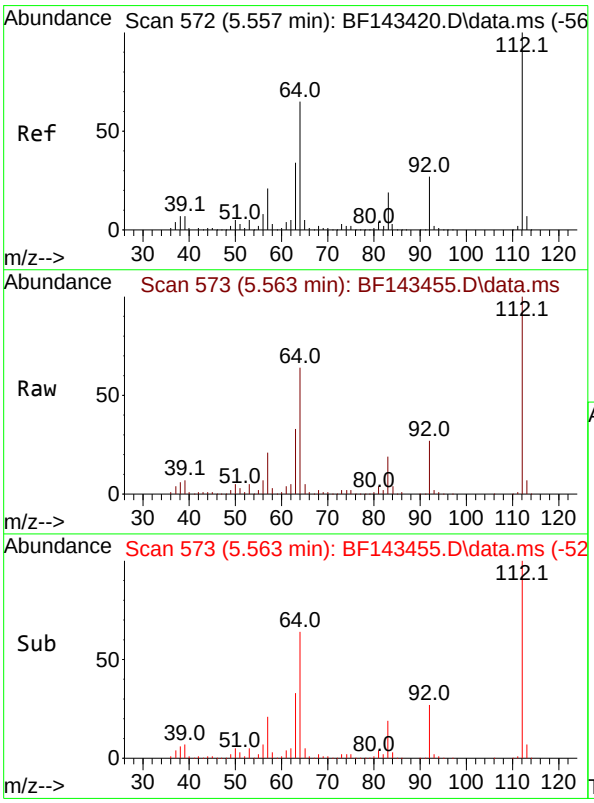
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Tgt Ion:152 Resp: 81535

Ion	Ratio	Lower	Upper
152	100		
150	156.4	127.4	191.2
115	58.1	47.5	71.3

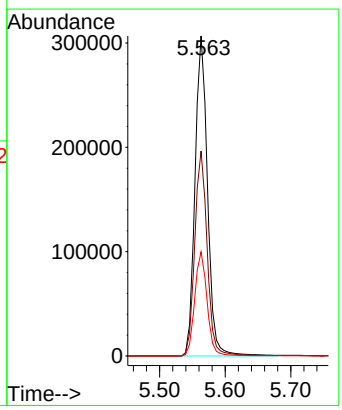


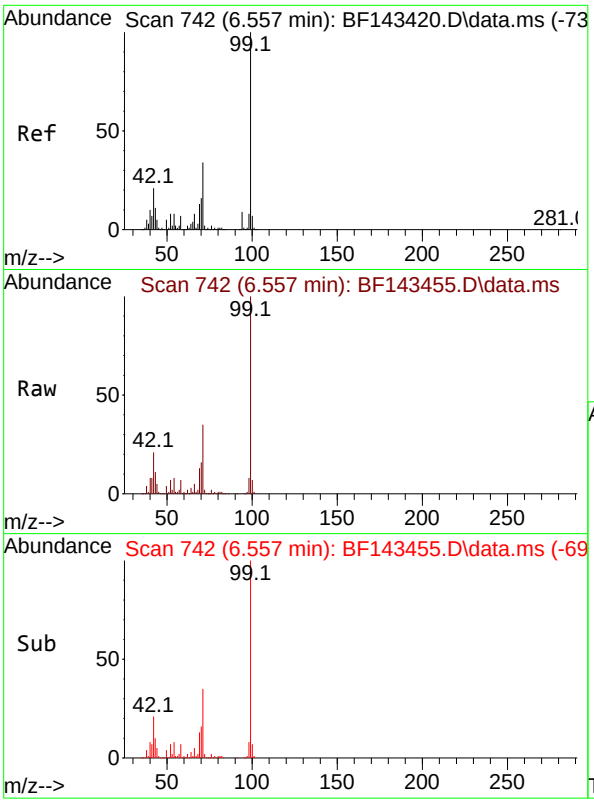


#5
2-Fluorophenol
Concen: 87.057 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.006 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:112 Resp: 408333

Ion	Ratio	Lower	Upper
112	100		
64	64.0	52.2	78.2
63	32.5	27.0	40.6



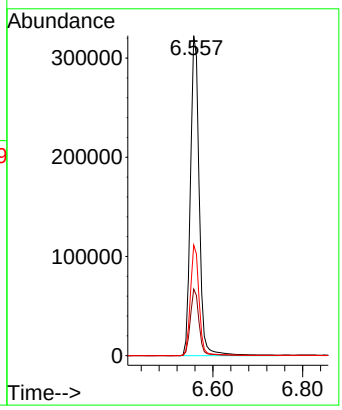


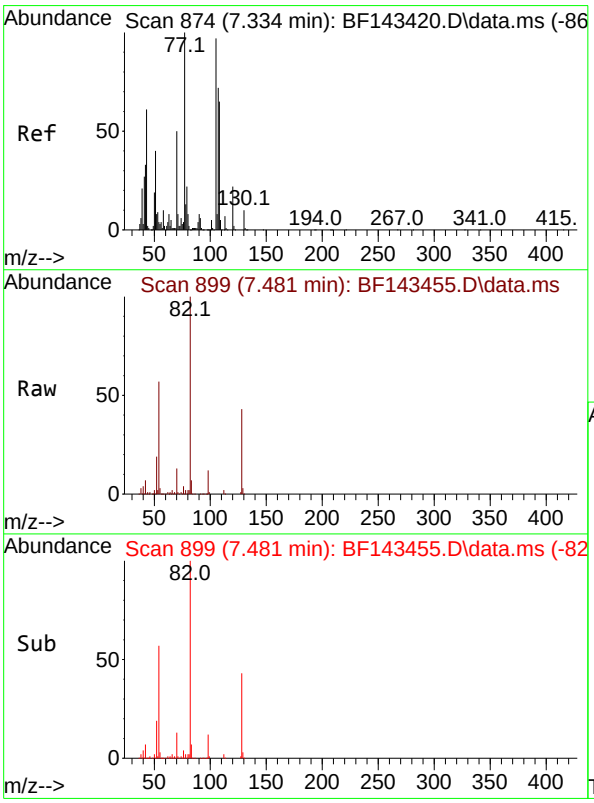
#7
Phenol-d6
Concen: 73.960 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Tgt Ion: 99 Resp: 437182

Ion	Ratio	Lower	Upper
99	100		
42	20.8	17.0	25.6
71	34.5	27.4	41.2

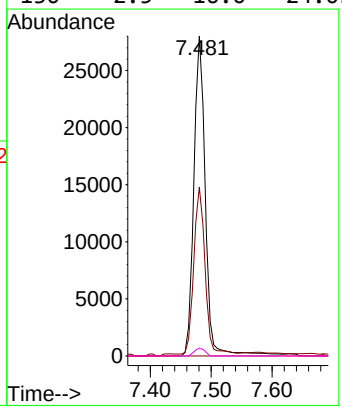


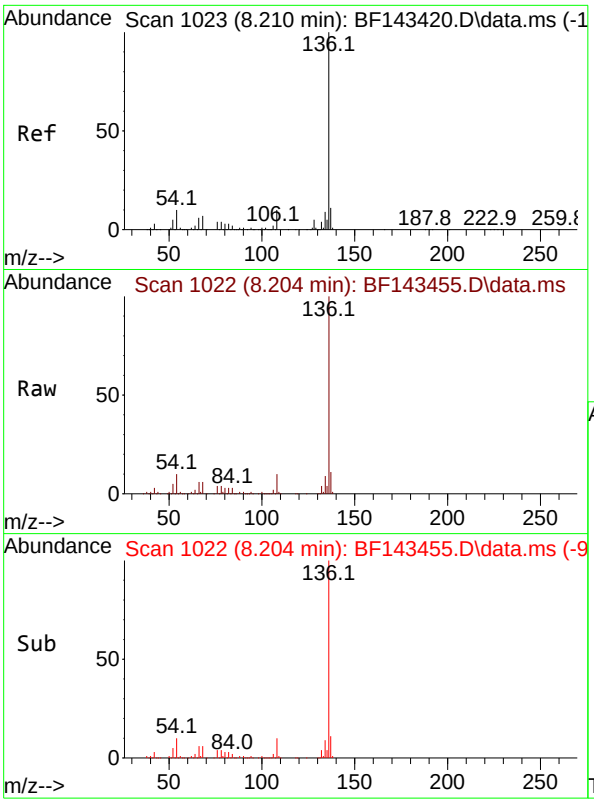


#19
n-Nitroso-di-n-propylamine
Concen: 10.070 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.147 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion: 70 Resp: 36852

Ion	Ratio	Lower	Upper
70	100		
42	52.8	52.5	78.7
101	0.0	7.9	11.9#
130	2.5	16.0	24.0#



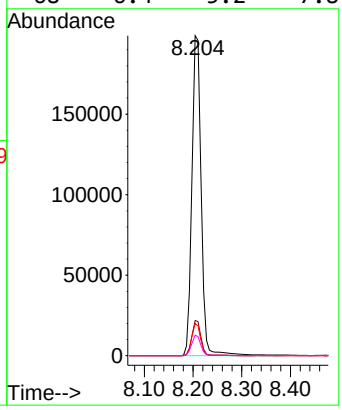


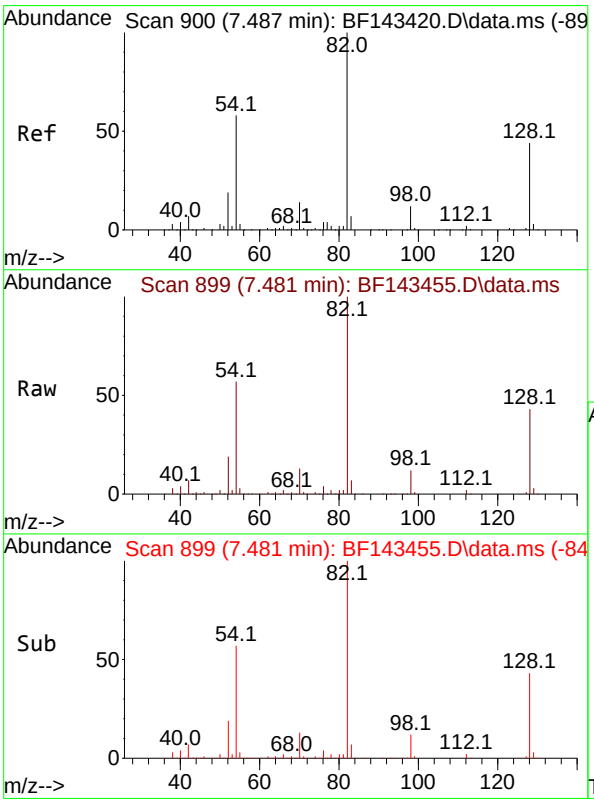
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Tgt Ion:136 Resp: 266043

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	10.0	7.8	11.8
68	6.4	5.2	7.8

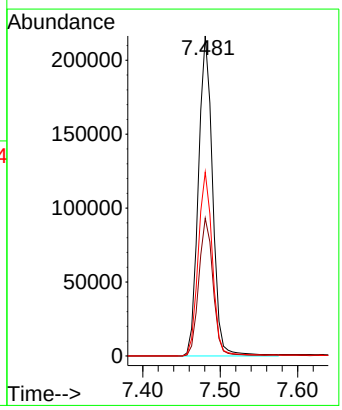


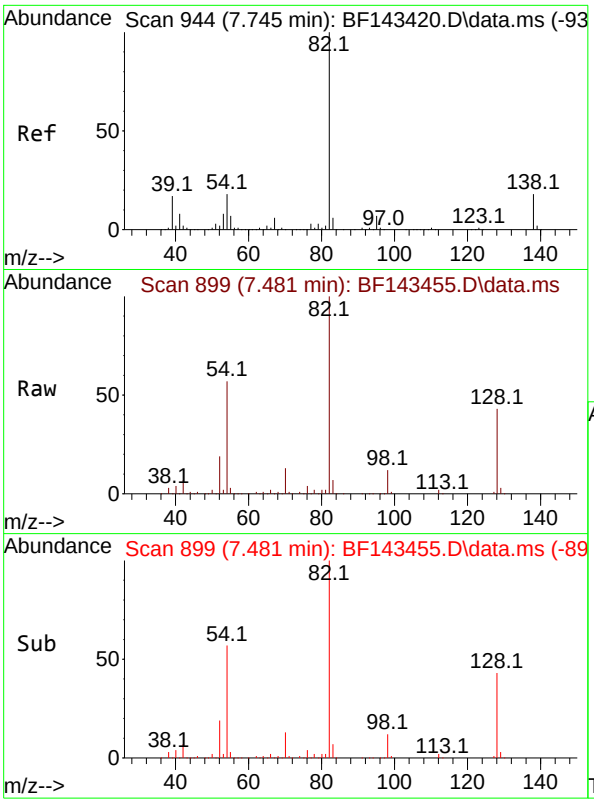


#23
Nitrobenzene-d5
Concen: 61.407 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion: 82 Resp: 275314

Ion	Ratio	Lower	Upper
82	100		
128	43.1	34.6	52.0
54	57.4	46.0	69.0



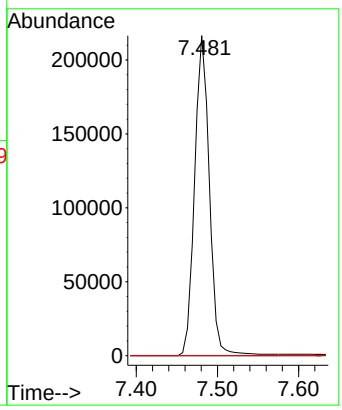


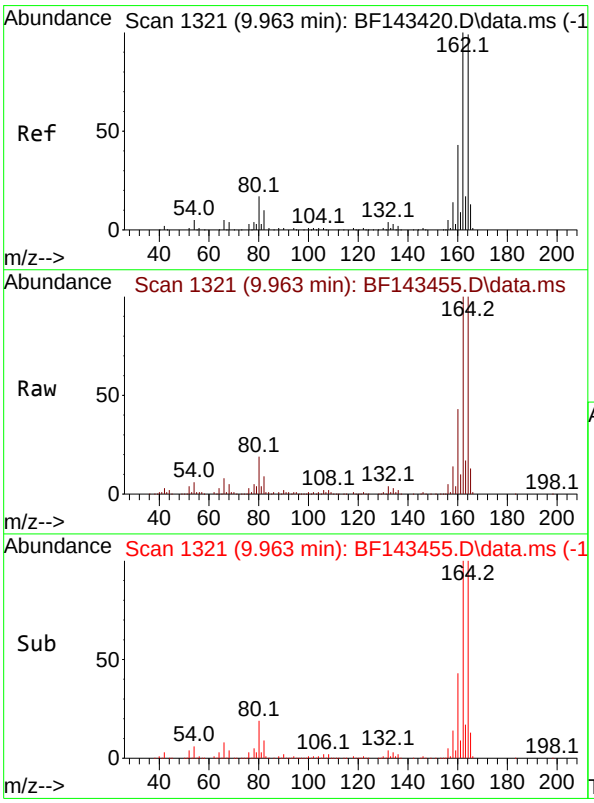
#25
Isophorone
Concen: 32.084 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.265 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Tgt Ion: 82 Resp: 275311

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.3	21.5#

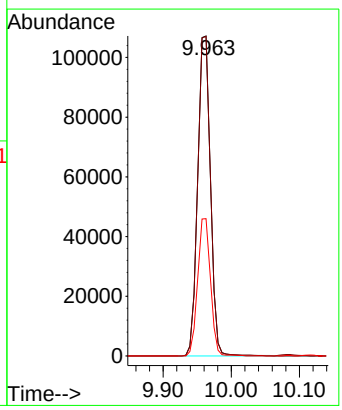


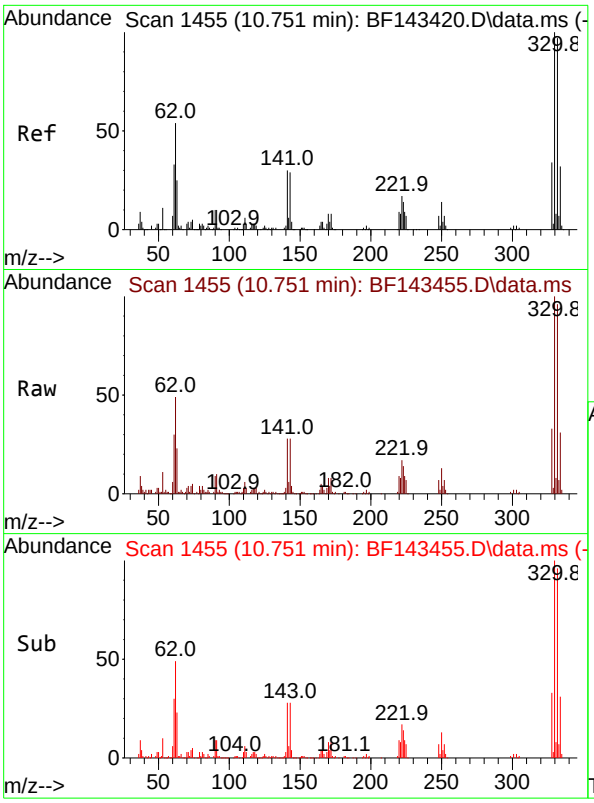


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:164 Resp: 139719

Ion	Ratio	Lower	Upper
164	100		
162	99.9	80.6	121.0
160	42.9	34.6	51.8



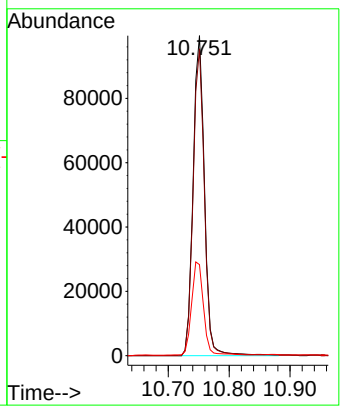


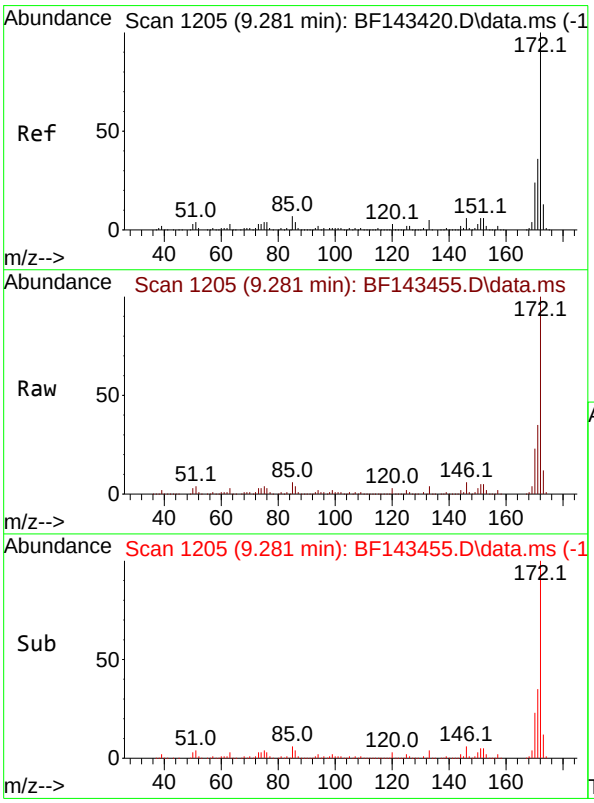
#42
2,4,6-Tribromophenol
Concen: 103.505 ng
RT: 10.751 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Tgt Ion:330 Resp: 128719

Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.4	116.2
141	30.6	24.1	36.1

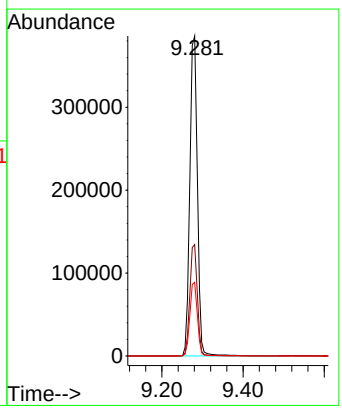


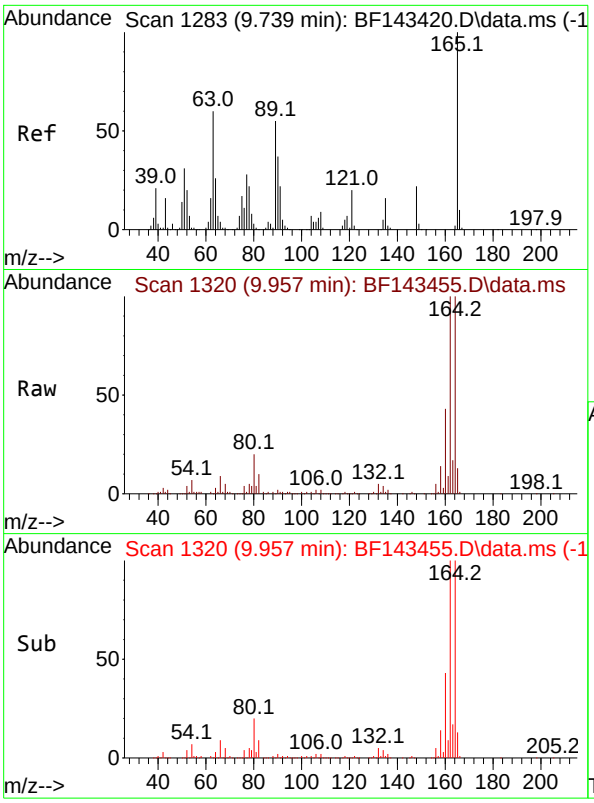


#45
2-Fluorobiphenyl
Concen: 60.144 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:172 Resp: 499605

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.7	43.1
170	23.0	19.0	28.6



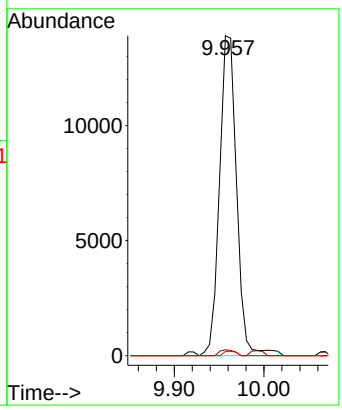


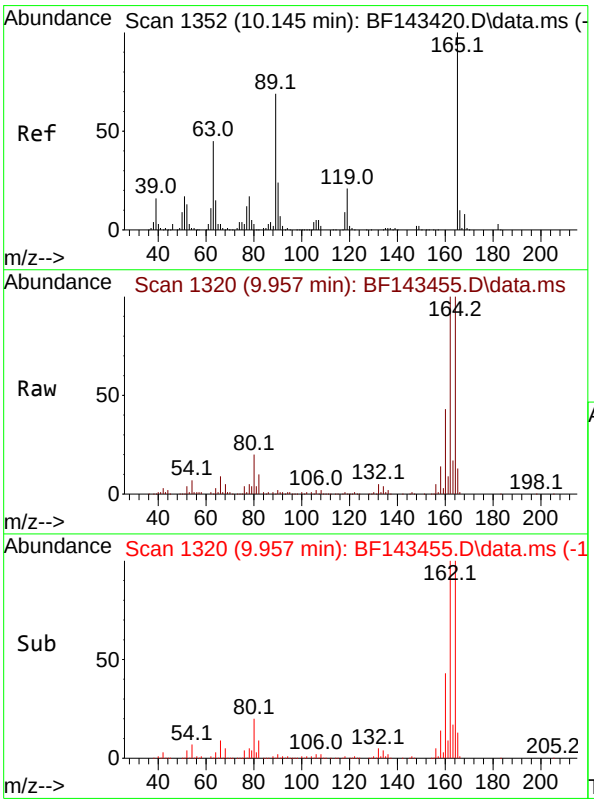
#51
2,6-Dinitrotoluene
Concen: 10.798 ng
RT: 9.957 min Scan# 1
Delta R.T. 0.218 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Tgt Ion:165 Resp: 18542

Ion	Ratio	Lower	Upper
165	100		
63	1.8	48.2	72.2#
89	1.3	44.2	66.2#

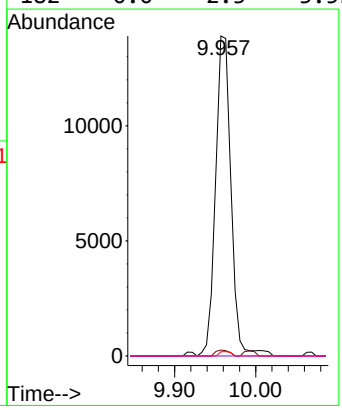


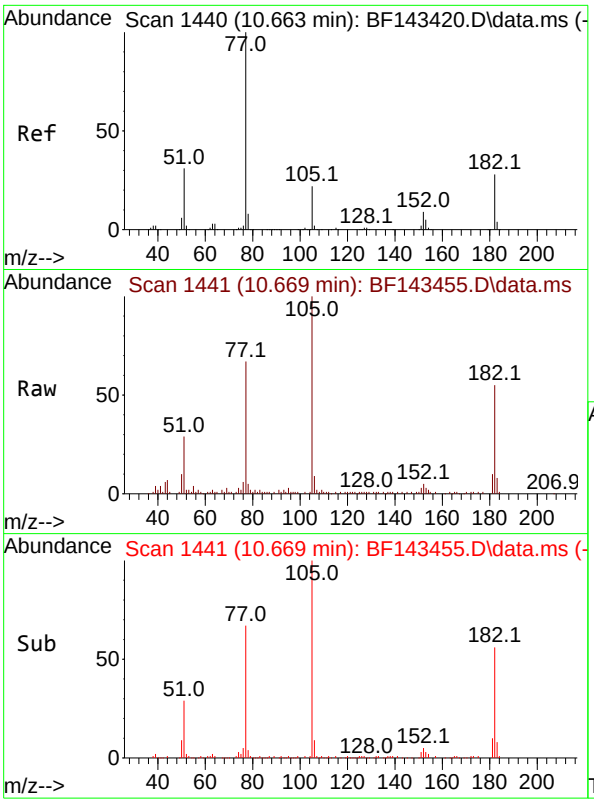


#57
2,4-Dinitrotoluene
Concen: 8.099 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.188 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:165 Resp: 18543

Ion	Ratio	Lower	Upper
165	100		
63	1.8	37.0	55.6#
89	1.3	55.4	83.0#
182	0.0	2.3	3.5#



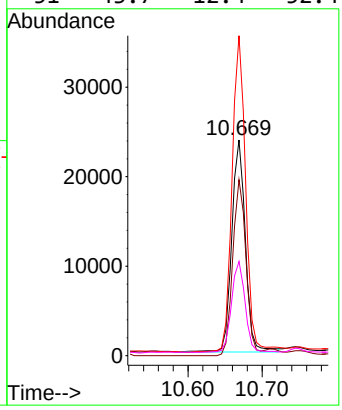


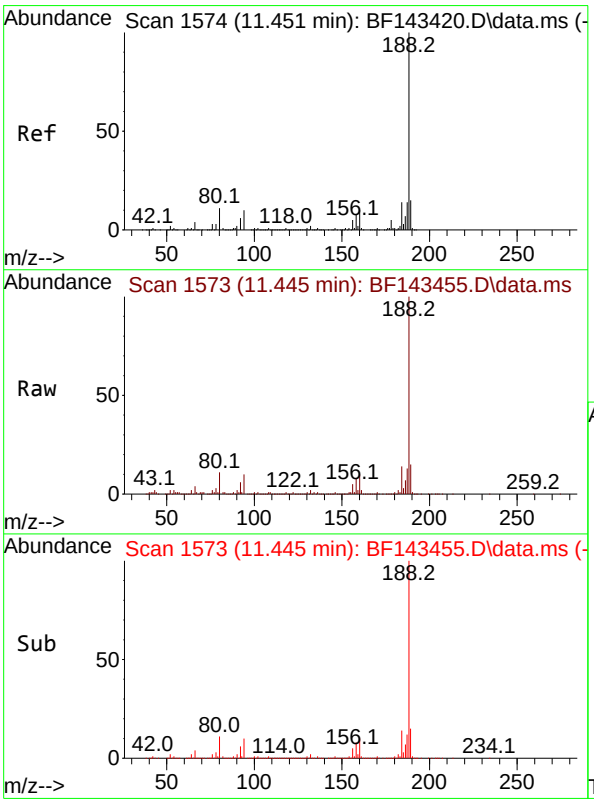
#63
Azobenzene
Concen: 3.733 ng
RT: 10.669 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Tgt Ion: 77 Resp: 30370

Ion	Ratio	Lower	Upper
77	100		
182	81.6	7.4	47.4#
105	148.4	1.7	41.7#
51	43.7	12.4	52.4

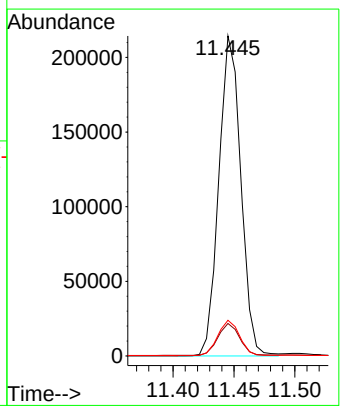


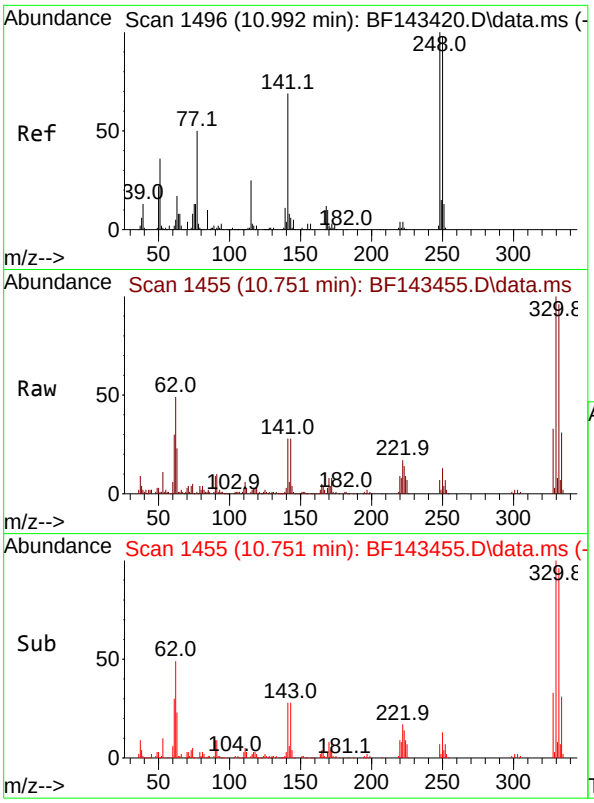


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:188 Resp: 269890

Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.0	12.0
80	11.2	8.6	12.8



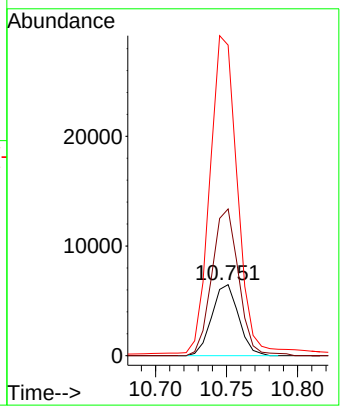


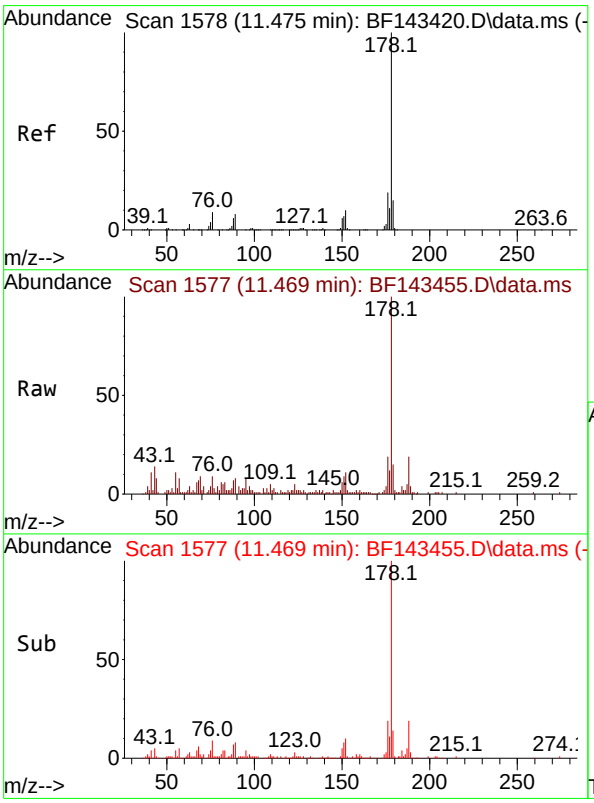
#67
4-Bromophenyl-phenylether
Concen: 2.661 ng
RT: 10.751 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Tgt Ion:248 Resp: 8482

Ion	Ratio	Lower	Upper
248	100		
250	206.4	78.6	118.0#
141	436.7	54.9	82.3#

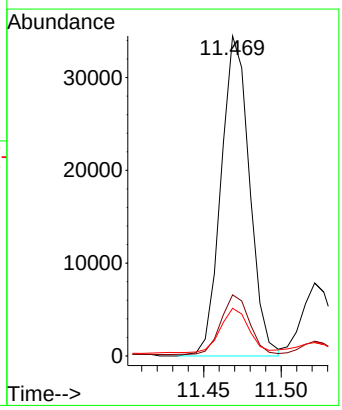


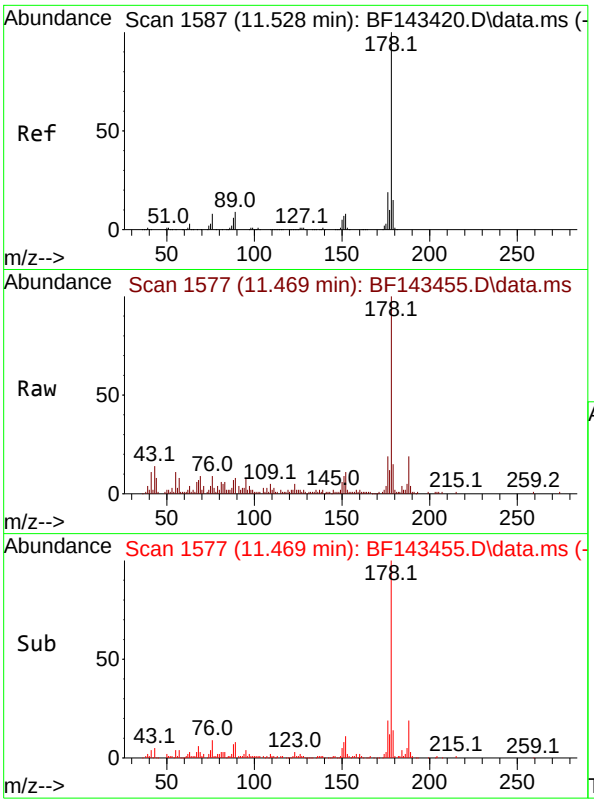


#71
Phenanthrene
Concen: 3.011 ng
RT: 11.469 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:178 Resp: 43999

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	14.9	12.3	18.5



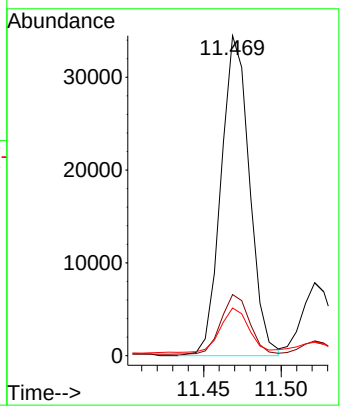


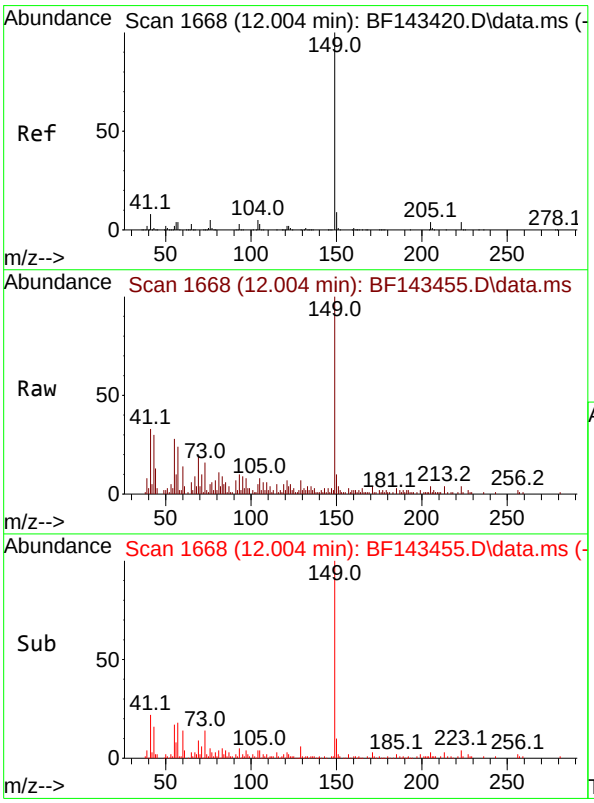
#72
Anthracene
Concen: 2.981 ng
RT: 11.469 min Scan# 1
Delta R.T. -0.059 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Tgt Ion:178 Resp: 43999

Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.8	22.2
179	14.9	12.2	18.4

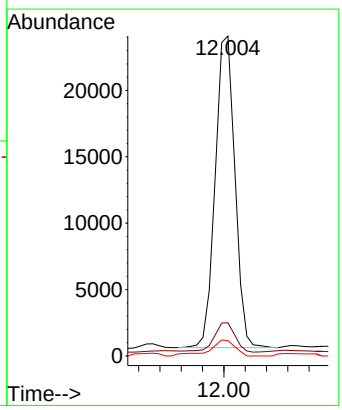


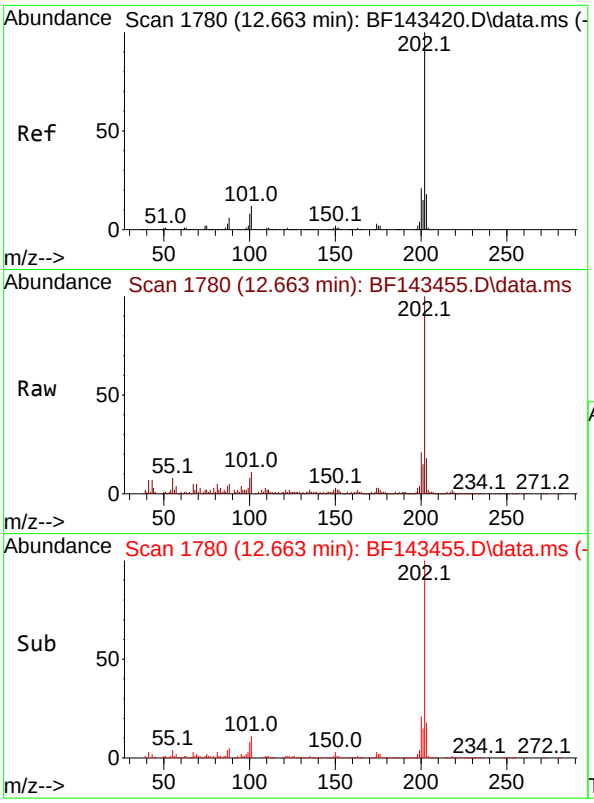


#74
Di-n-butylphthalate
Concen: 2.424 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:149 Resp: 30134

Ion	Ratio	Lower	Upper
149	100		
150	10.4	7.3	10.9
104	4.8	3.8	5.6



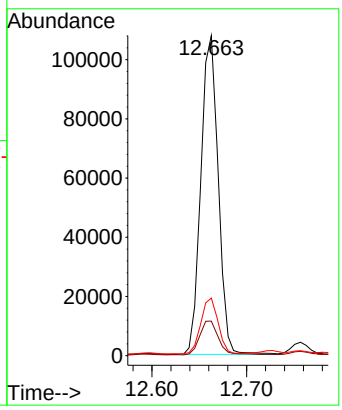


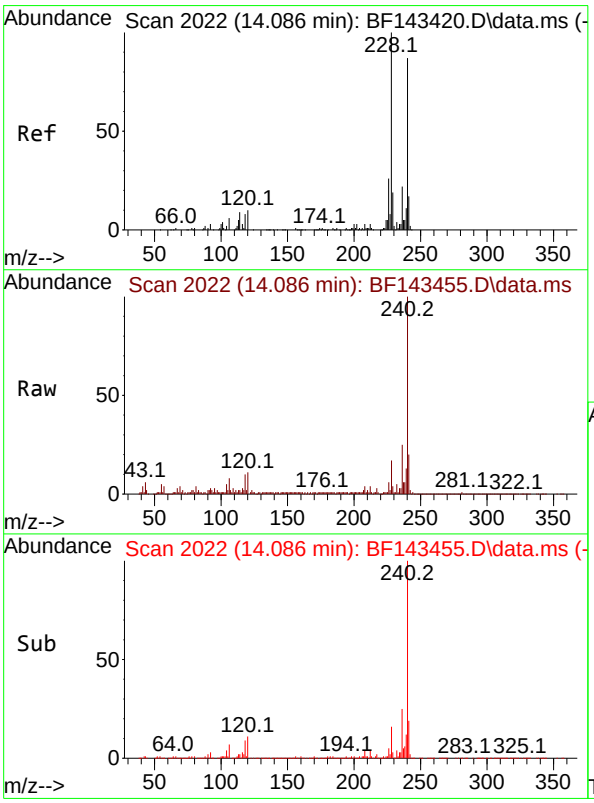
#75
Fluoranthene
Concen: 10.547 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Tgt Ion:202 Resp: 136964

Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.5
203	18.0	0.0	37.5

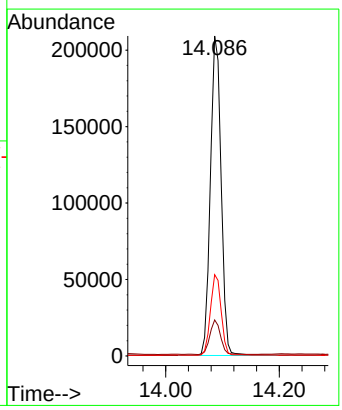


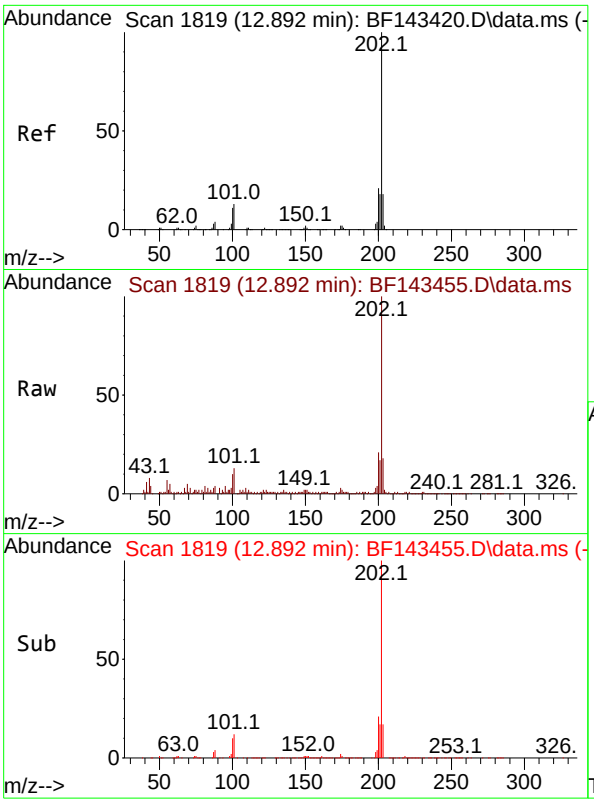


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:240 Resp: 272023

Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.0	13.4
236	25.4	20.2	30.2



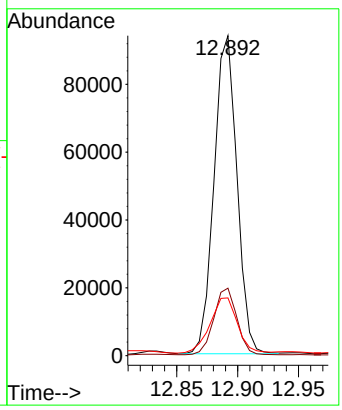


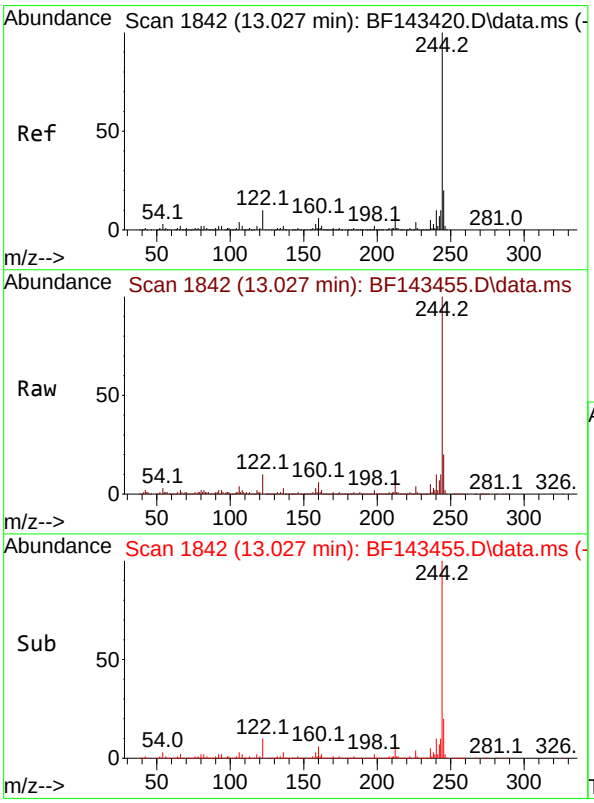
#78
Pyrene
Concen: 5.201 ng
RT: 12.892 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Tgt Ion:202 Resp: 122974

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.1	25.7
203	18.1	14.2	21.2

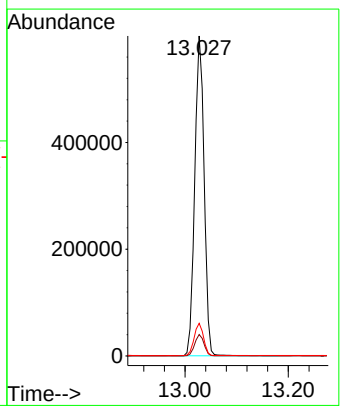


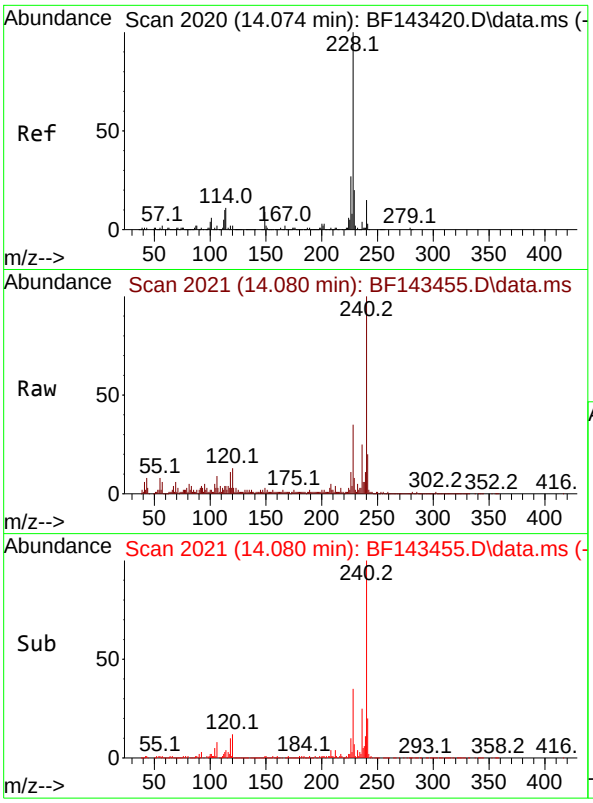


#79
Terphenyl-d14
Concen: 46.649 ng
RT: 13.027 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:244 Resp: 755405

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.2	7.8
122	10.2	8.3	12.5



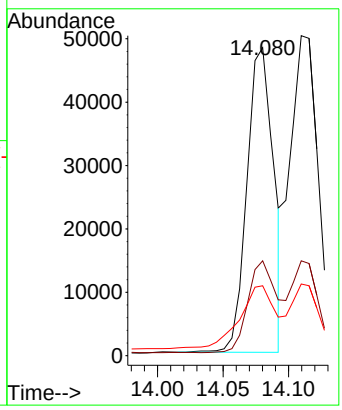


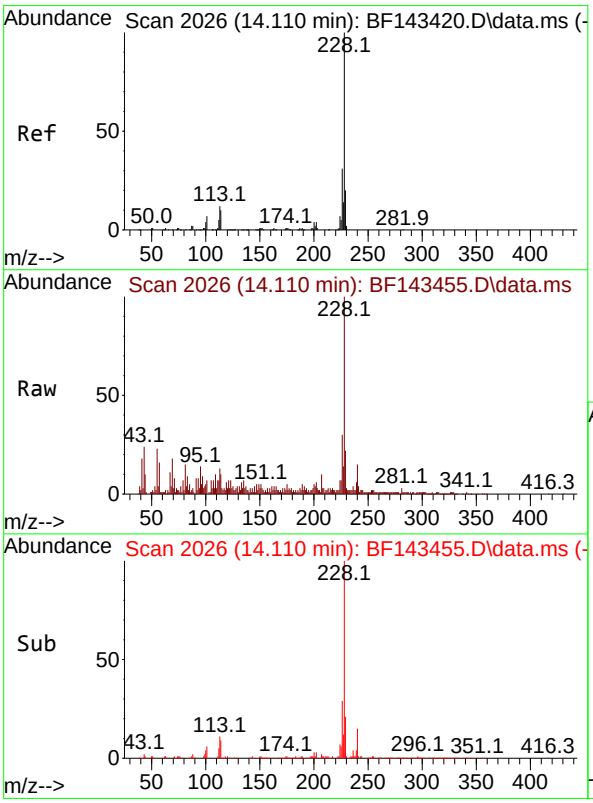
#81
Benzo(a)anthracene
Concen: 3.922 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Tgt Ion:228 Resp: 67916

Ion	Ratio	Lower	Upper
228	100		
226	30.8	21.5	32.3
229	22.7	15.7	23.5

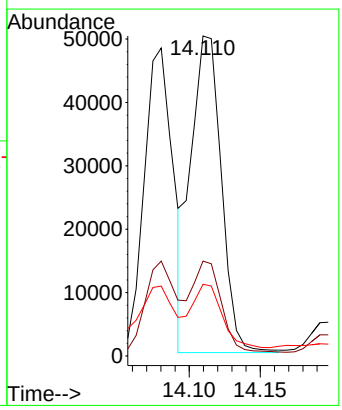


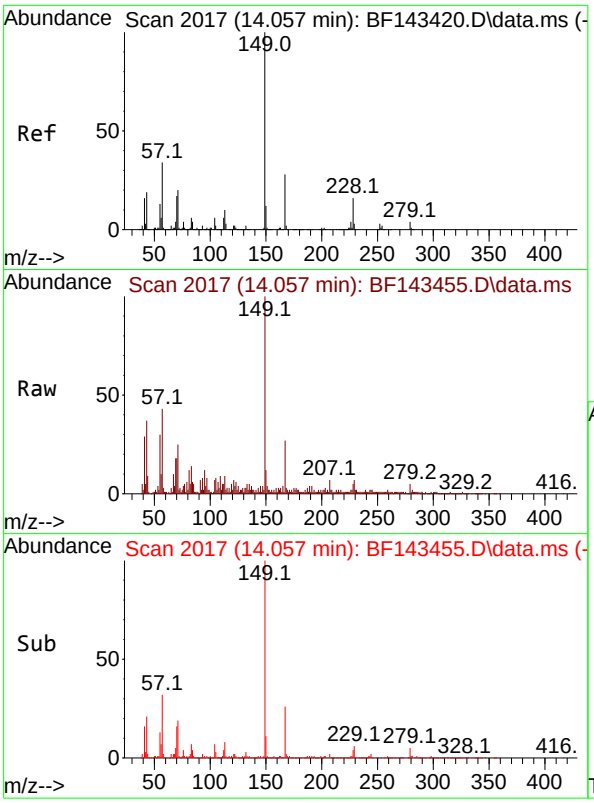


#83
Chrysene
Concen: 4.659 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:228 Resp: 74599

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.3	36.5
229	22.4	16.1	24.1



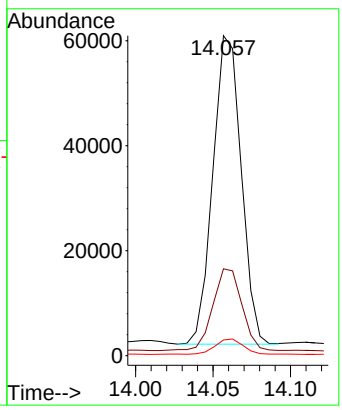


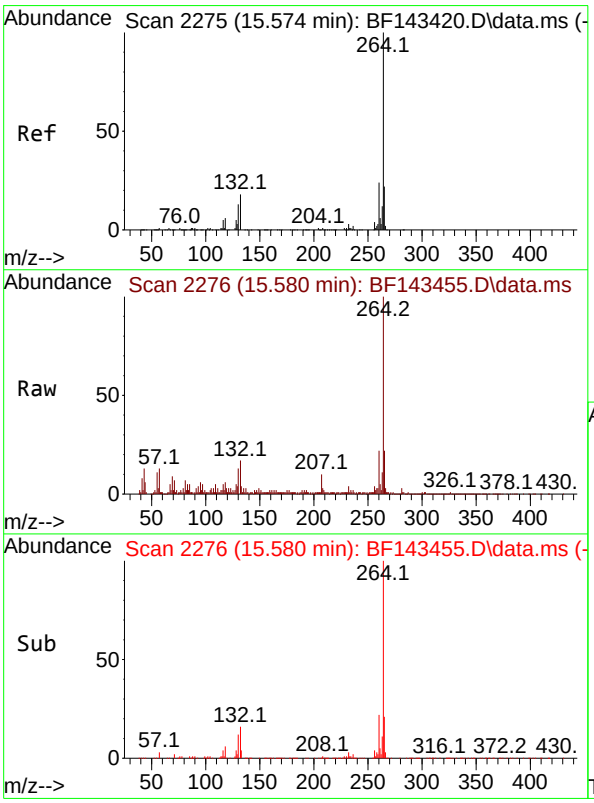
#84
Bis(2-ethylhexyl)phthalate
Concen: 8.979 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Tgt Ion:149 Resp: 74678

Ion	Ratio	Lower	Upper
149	100		
167	27.1	22.6	33.8
279	4.9	3.5	5.3

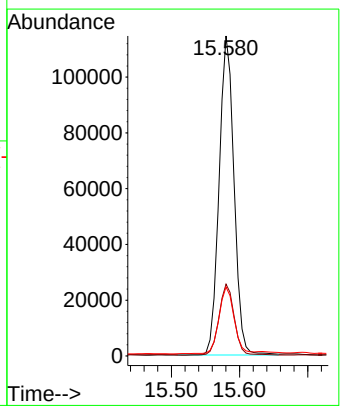


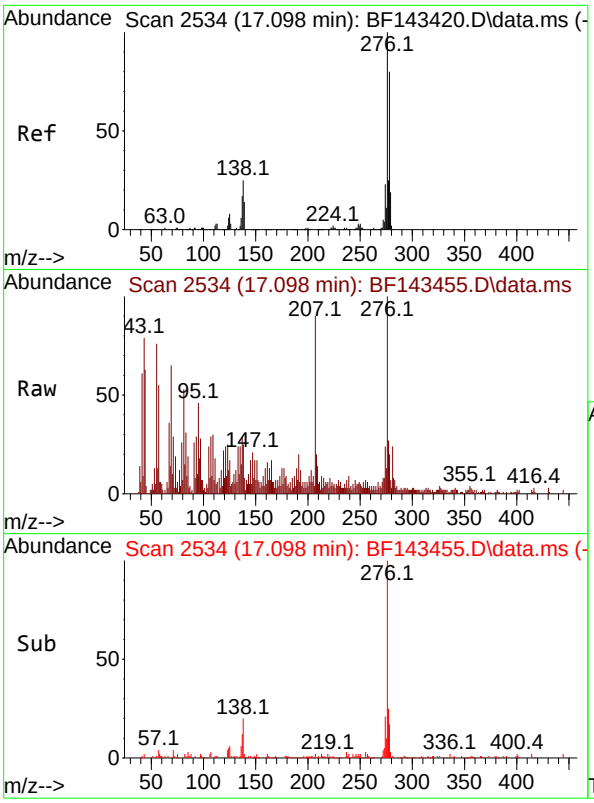


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:264 Resp: 174368

Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.8	28.2
265	21.6	17.4	26.0



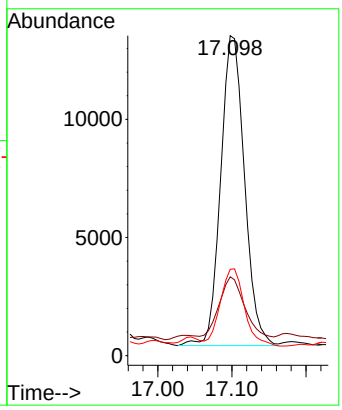


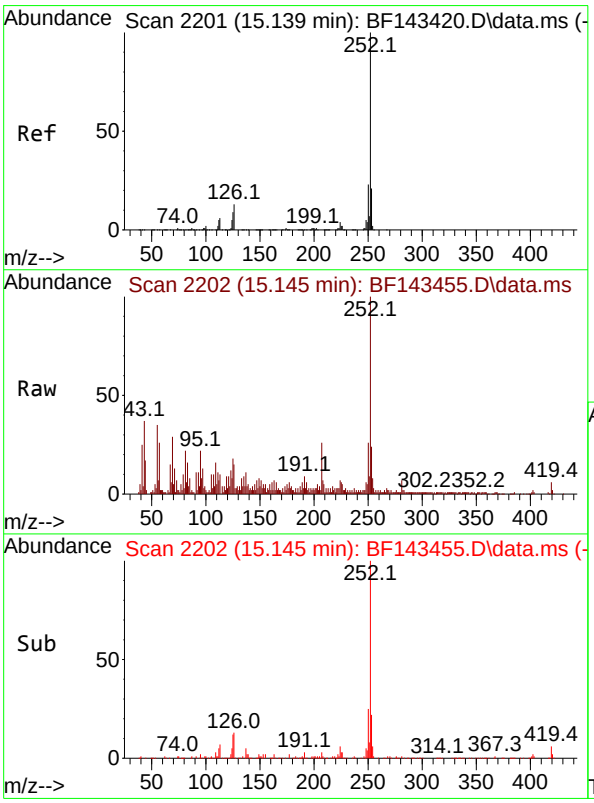
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.239 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Tgt Ion:276 Resp: 29277

Ion	Ratio	Lower	Upper
276	100		
138	21.5	20.2	30.4
277	25.2	20.2	30.2

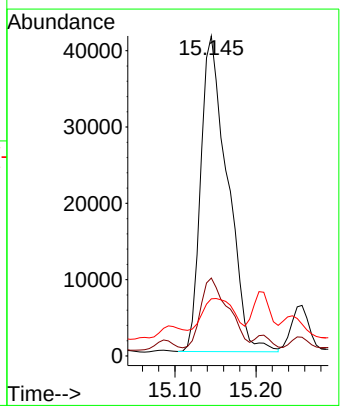


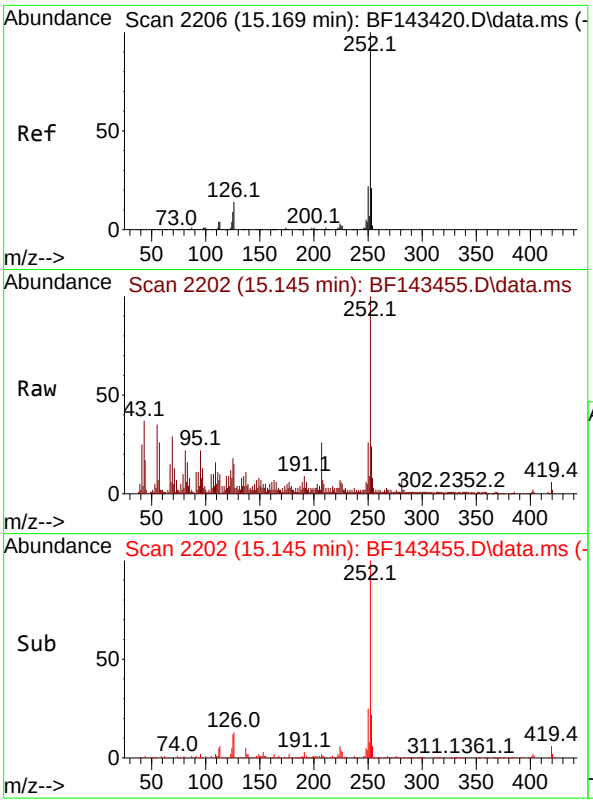


#88
Benzo(b)fluoranthene
Concen: 10.108 ng
RT: 15.145 min Scan# 2202
Delta R.T. 0.006 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:252 Resp: 94459

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.1	25.7
125	17.9	7.5	11.3#



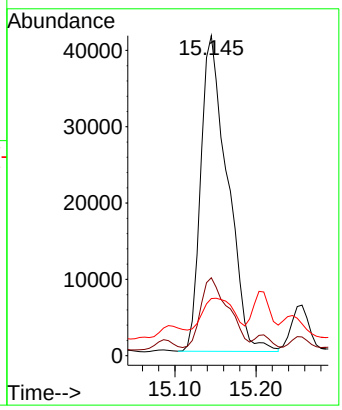


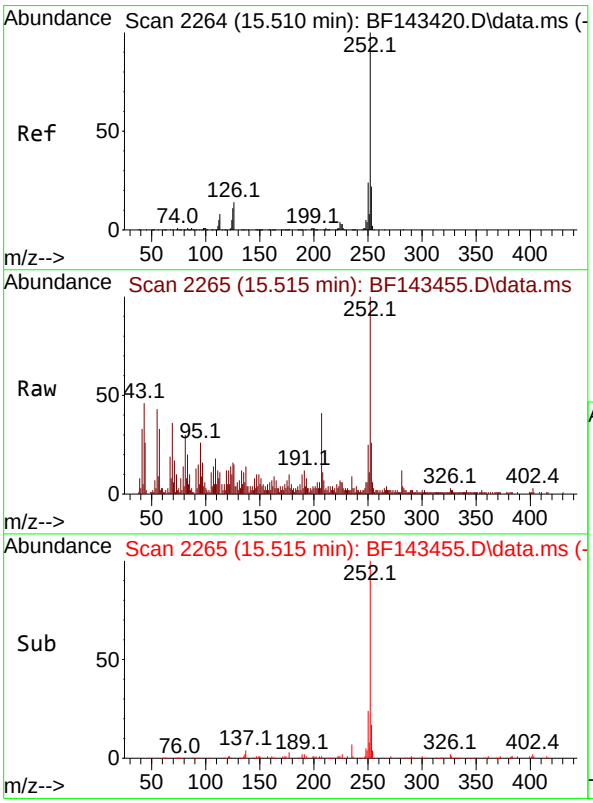
#89
Benzo(k)fluoranthene
Concen: 10.248 ng
RT: 15.145 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Tgt Ion:252 Resp: 94459

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.2	25.8
125	17.9	7.4	11.2#

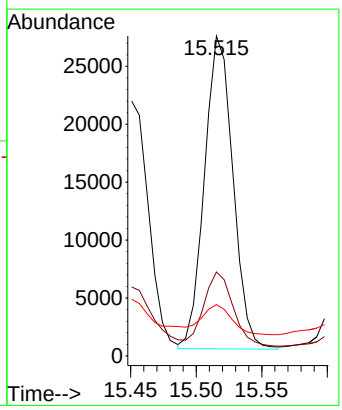


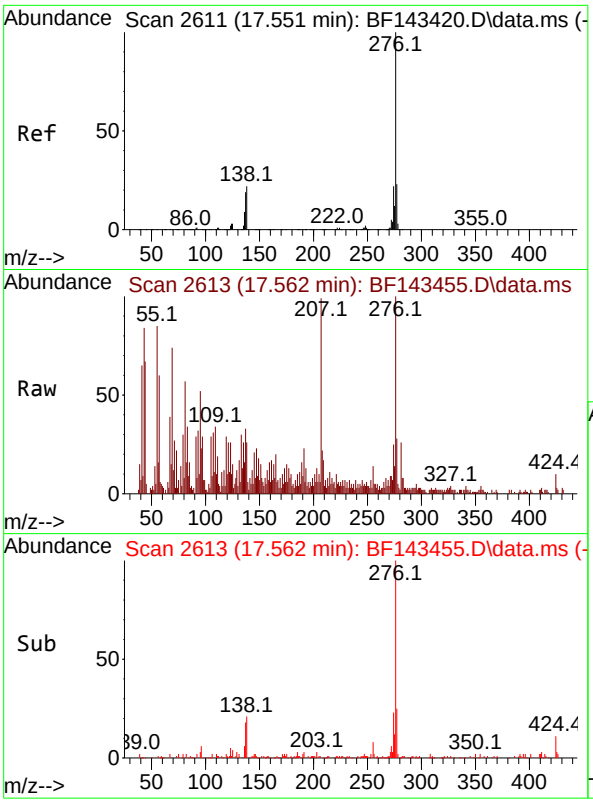


#90
Benzo(a)pyrene
Concen: 4.597 ng
RT: 15.515 min Scan# 2265
Delta R.T. 0.006 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:252 Resp: 40917

Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.4	26.2#
125	16.1	8.6	12.8#



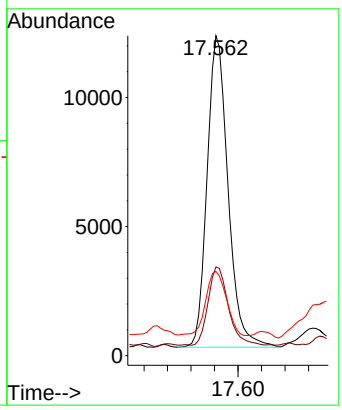


#92
Benzo(g,h,i)perylene
Concen: 2.846 ng
RT: 17.562 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Tgt Ion:276 Resp: 29859

Ion	Ratio	Lower	Upper
276	100		
277	27.8	18.7	28.1
138	26.4	17.5	26.3#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143456.D
Acq On : 19 Aug 2025 14:57
Operator : RC/JU
Sample : Q2879-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Quant Time: Aug 19 15:23:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

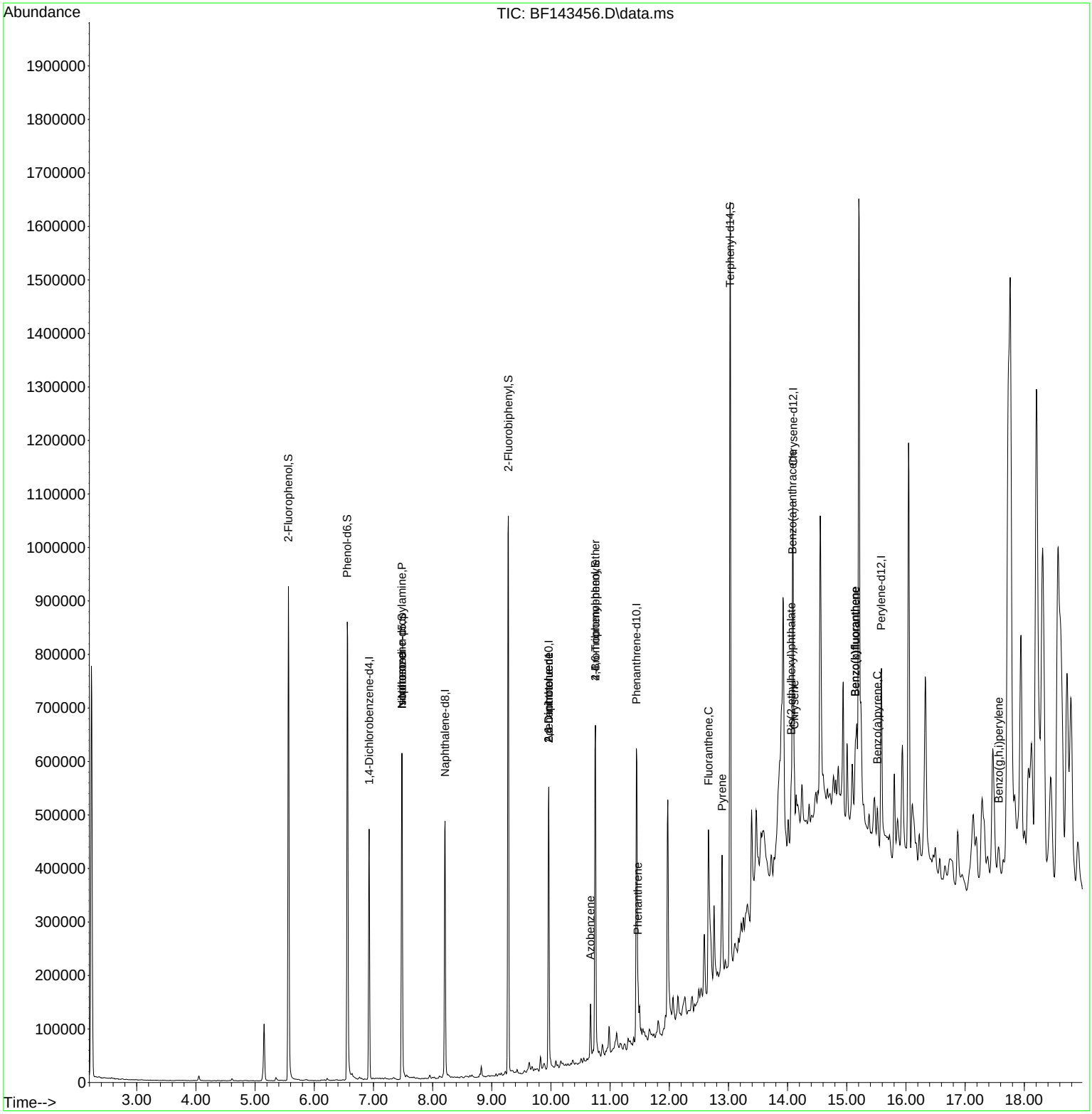
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	98829	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	307720	20.000	ng		0.00
39) Acenaphthene-d10	9.963	164	157233	20.000	ng		0.00
64) Phenanthrene-d10	11.445	188	284588	20.000	ng		0.00
76) Chrysene-d12	14.092	240	279953	20.000	ng		0.00
86) Perylene-d12	15.580	264	184800	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.563	112	340026	59.808	ng		0.00
7) Phenol-d6	6.557	99	406539	56.741	ng		0.00
23) Nitrobenzene-d5	7.481	82	256663	49.493	ng		0.00
42) 2,4,6-Tribromophenol	10.751	330	104537	74.696	ng		0.00
45) 2-Fluorobiphenyl	9.281	172	470643	50.347	ng		0.00
79) Terphenyl-d14	13.027	244	695073	41.708	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	34683	7.819	ng	#	80
25) Isophorone	7.481	82	249861	25.174	ng	#	65
51) 2,6-Dinitrotoluene	9.963	165	20723	10.724	ng	#	25
57) 2,4-Dinitrotoluene	9.963	165	20939	8.127	ng	#	25
63) Azobenzene	10.669	77	23611	2.579	ng	#	1
67) 4-Bromophenyl-phenylether	10.751	248	7225	2.150	ng	#	1
71) Phenanthrene	11.469	178	42555	2.761	ng		98
75) Fluoranthene	12.663	202	142859	10.433	ng		99
78) Pyrene	12.892	202	128011	5.261	ng		99
81) Benzo(a)anthracene	14.080	228	75556	4.239	ng		92
83) Chrysene	14.116	228	68136	4.135	ng		97
84) Bis(2-ethylhexyl)phtha...	14.063	149	37889	4.427	ng		99
88) Benzo(b)fluoranthene	15.145	252	93741	9.464	ng	#	86
89) Benzo(k)fluoranthene	15.145	252	93741	9.596	ng	#	86
90) Benzo(a)pyrene	15.516	252	40067	4.247	ng	#	87
92) Benzo(g,h,i)perylene	17.568	276	28343	2.549	ng	#	91

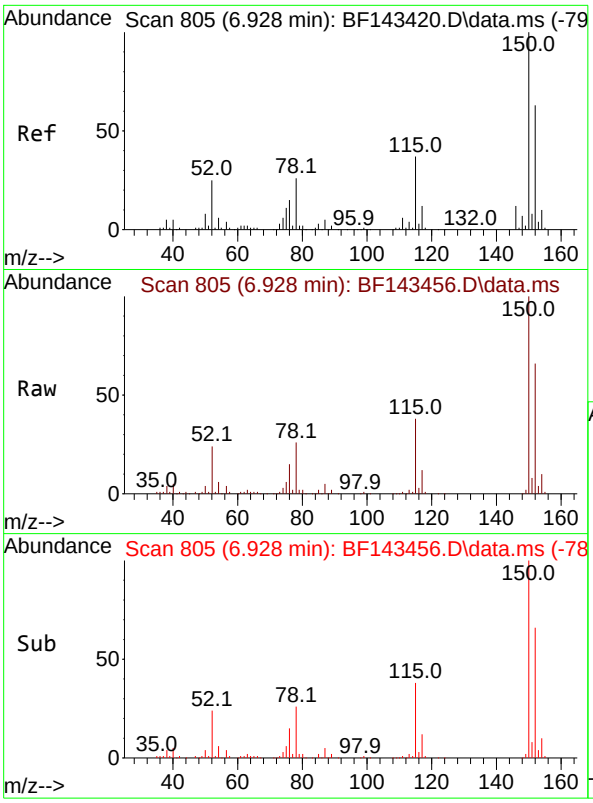
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143456.D
Acq On : 19 Aug 2025 14:57
Operator : RC/JU
Sample : Q2879-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Quant Time: Aug 19 15:23:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration



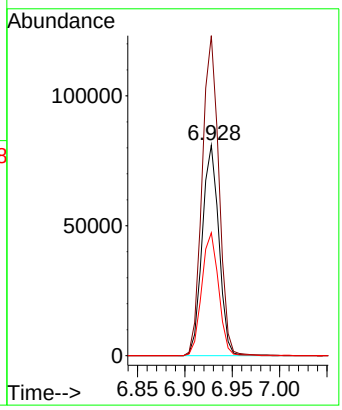


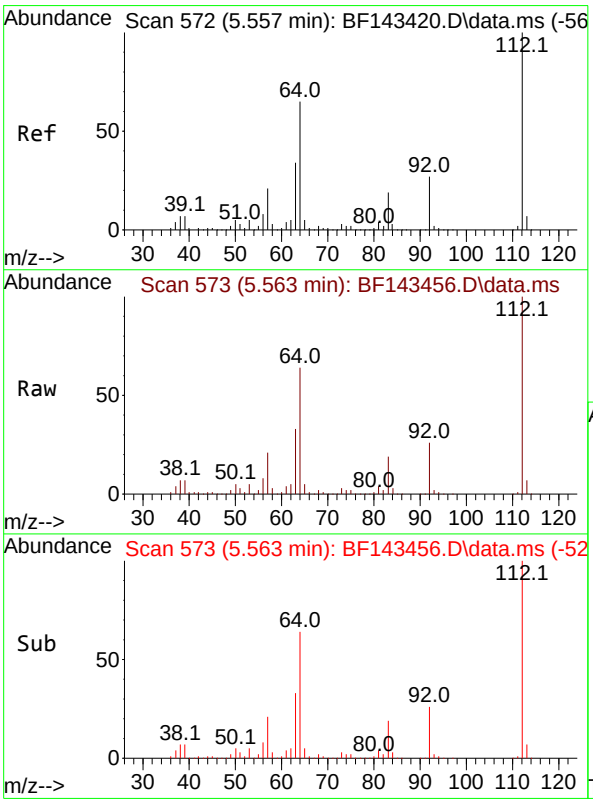
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Tgt Ion:152 Resp: 98829

Ion	Ratio	Lower	Upper
152	100		
150	152.0	127.4	191.2
115	58.4	47.5	71.3

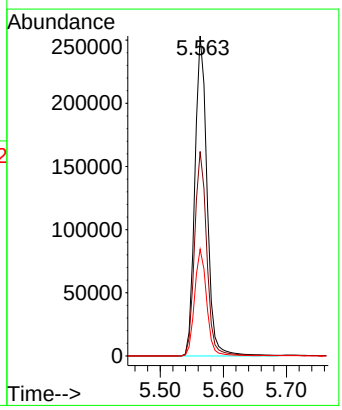


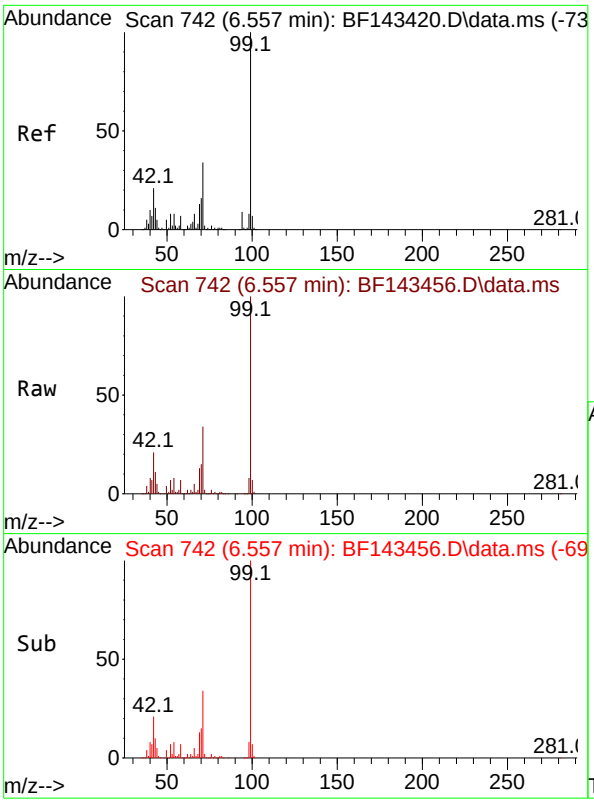


#5
2-Fluorophenol
Concen: 59.808 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:112 Resp: 340026

Ion	Ratio	Lower	Upper
112	100		
64	63.9	52.2	78.2
63	33.4	27.0	40.6



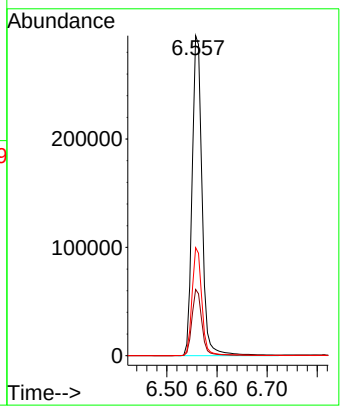


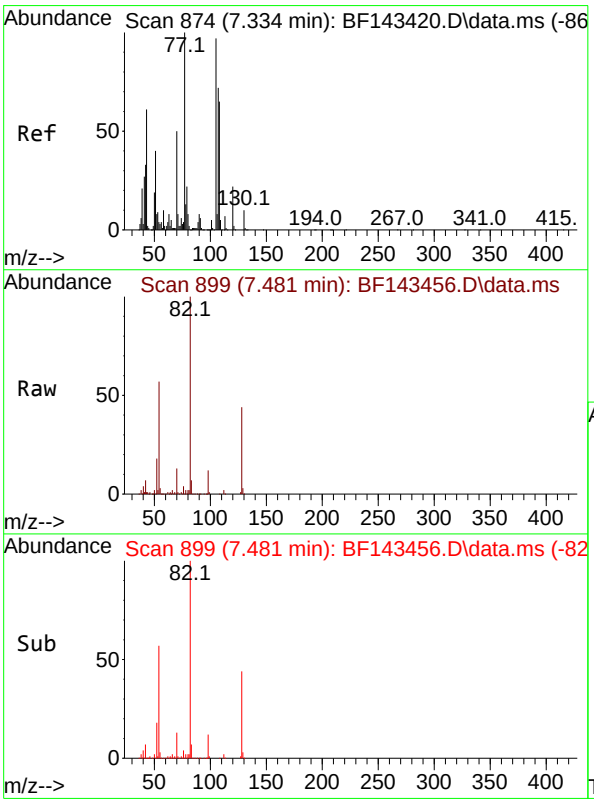
#7
Phenol-d6
Concen: 56.741 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Tgt Ion: 99 Resp: 406539

Ion	Ratio	Lower	Upper
99	100		
42	20.7	17.0	25.6
71	33.8	27.4	41.2

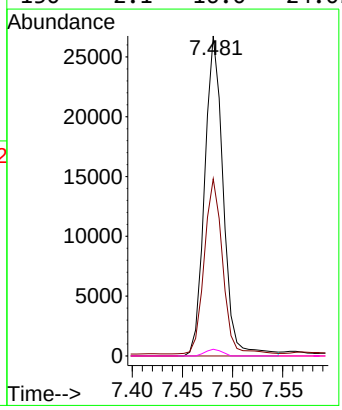


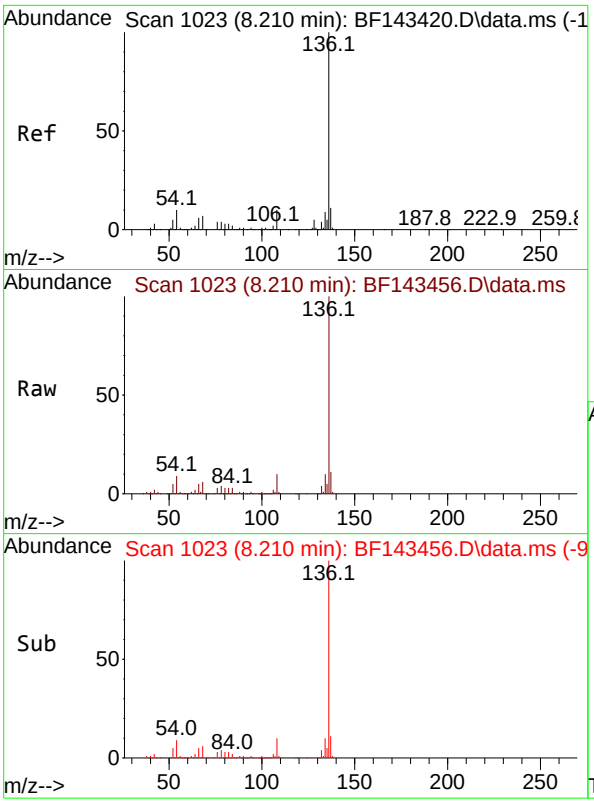


#19
n-Nitroso-di-n-propylamine
Concen: 7.819 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.147 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion: 70 Resp: 34683

Ion	Ratio	Lower	Upper
70	100		
42	55.3	52.5	78.7
101	0.0	7.9	11.9#
130	2.1	16.0	24.0#



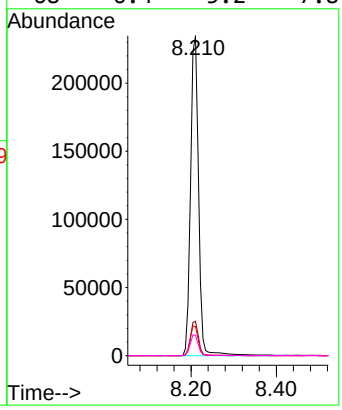


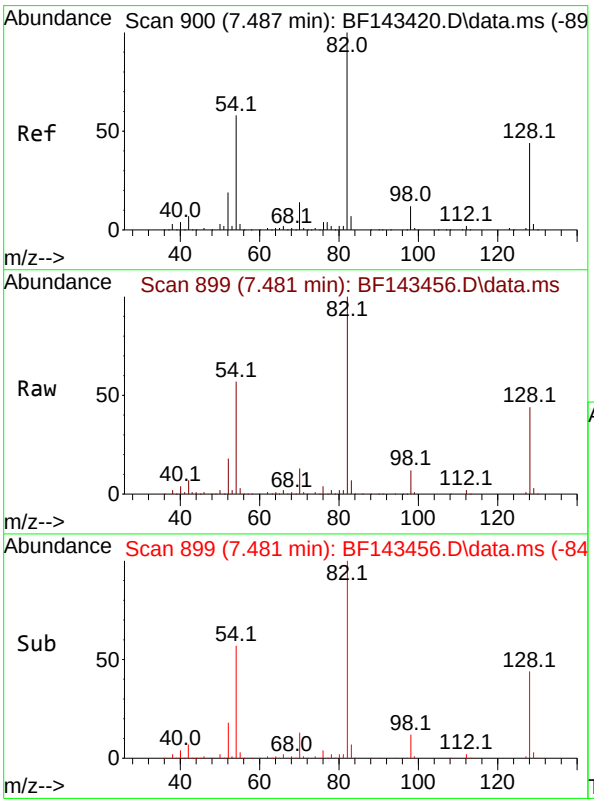
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Tgt Ion:136 Resp: 307720

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	9.1	7.8	11.8
68	6.4	5.2	7.8

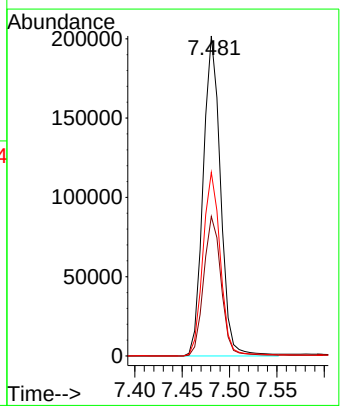


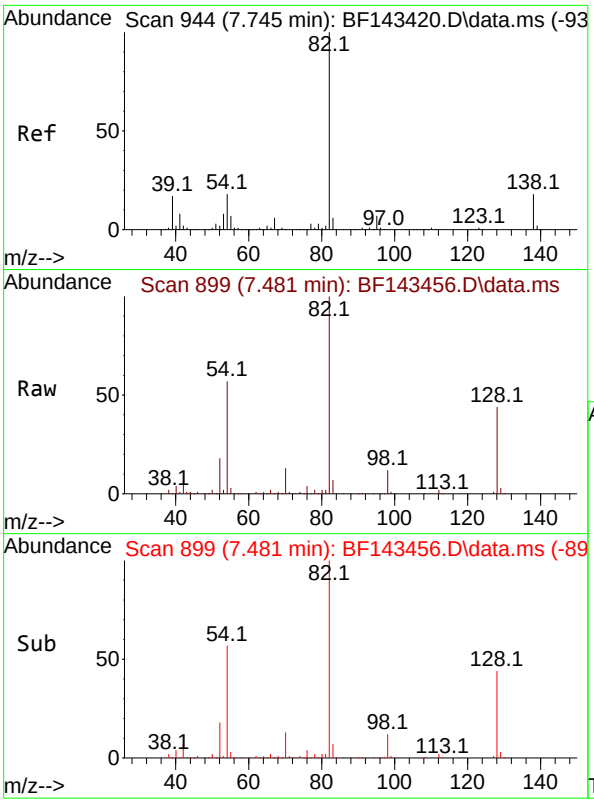


#23
Nitrobenzene-d5
Concen: 49.493 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion: 82 Resp: 256663

Ion	Ratio	Lower	Upper
82	100		
128	43.6	34.6	52.0
54	57.3	46.0	69.0



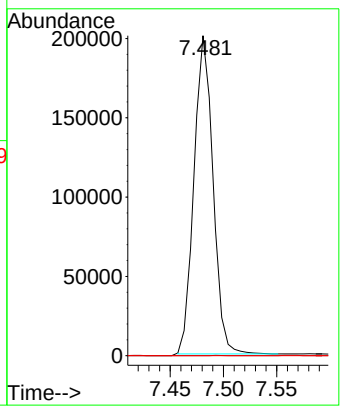


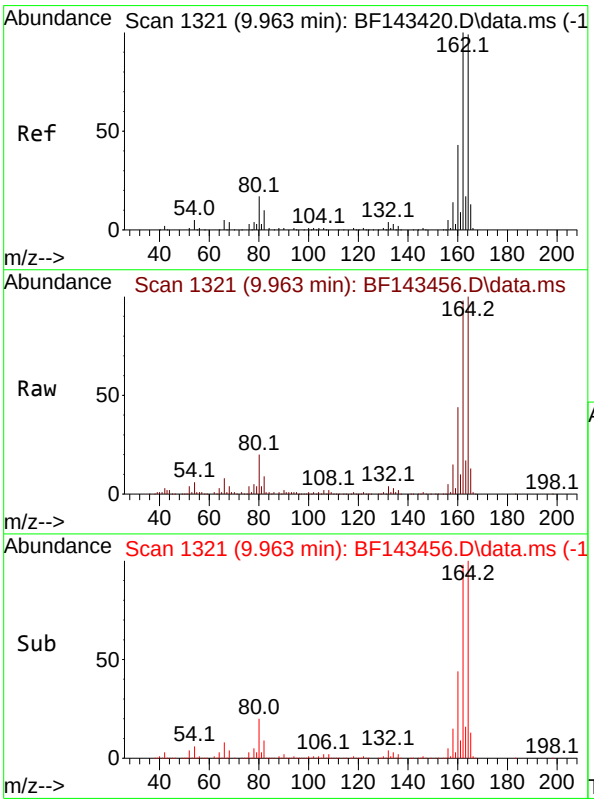
#25
Isophorone
Concen: 25.174 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.265 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Tgt Ion: 82 Resp: 249861

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.3	21.5#

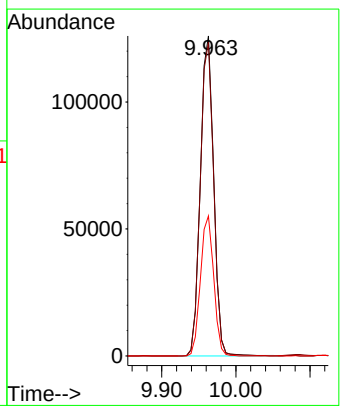


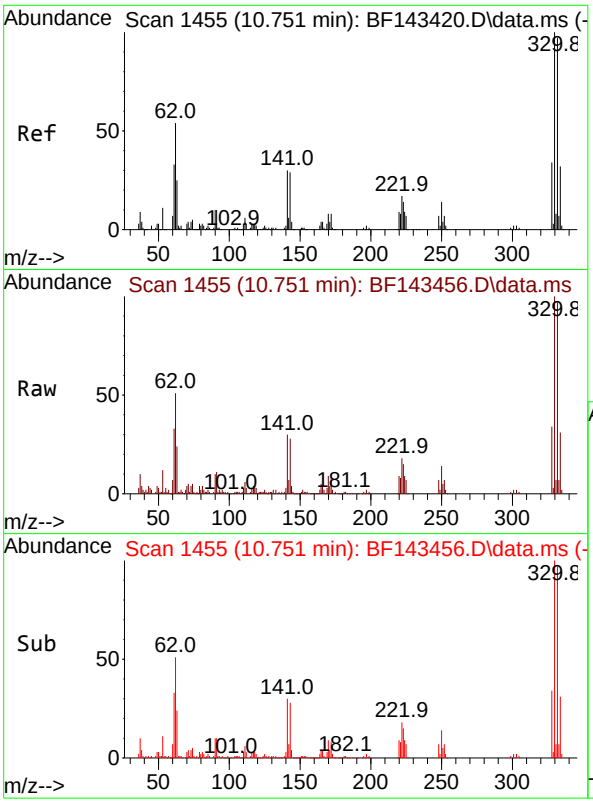


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:164 Resp: 157233

Ion	Ratio	Lower	Upper
164	100		
162	98.1	80.6	121.0
160	43.7	34.6	51.8



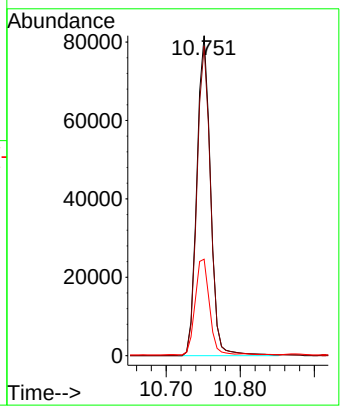


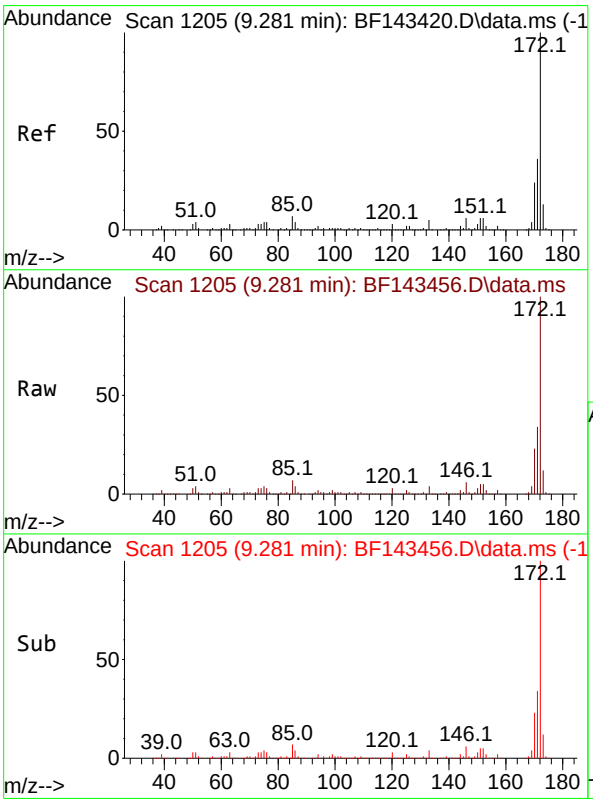
#42
2,4,6-Tribromophenol
Concen: 74.696 ng
RT: 10.751 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Tgt Ion:330 Resp: 104537

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.4	116.2
141	30.9	24.1	36.1

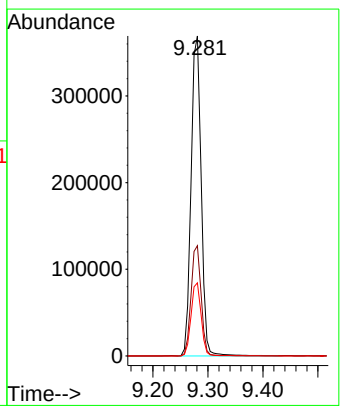


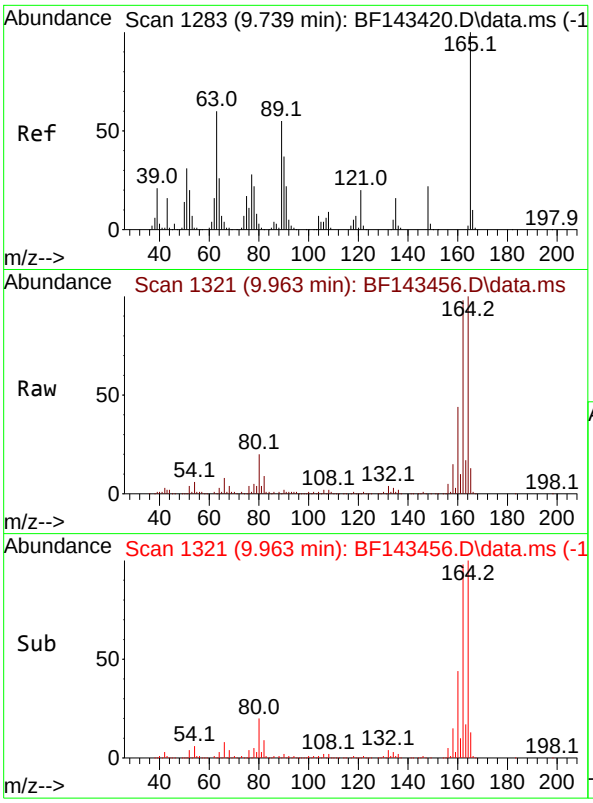


#45
2-Fluorobiphenyl
Concen: 50.347 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:172 Resp: 470643

Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.7	43.1
170	22.9	19.0	28.6



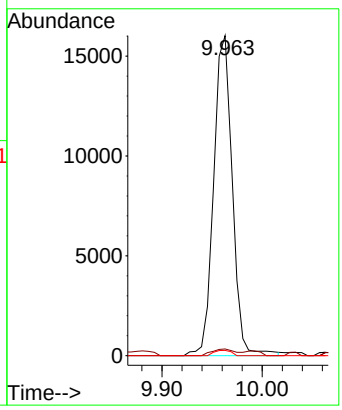


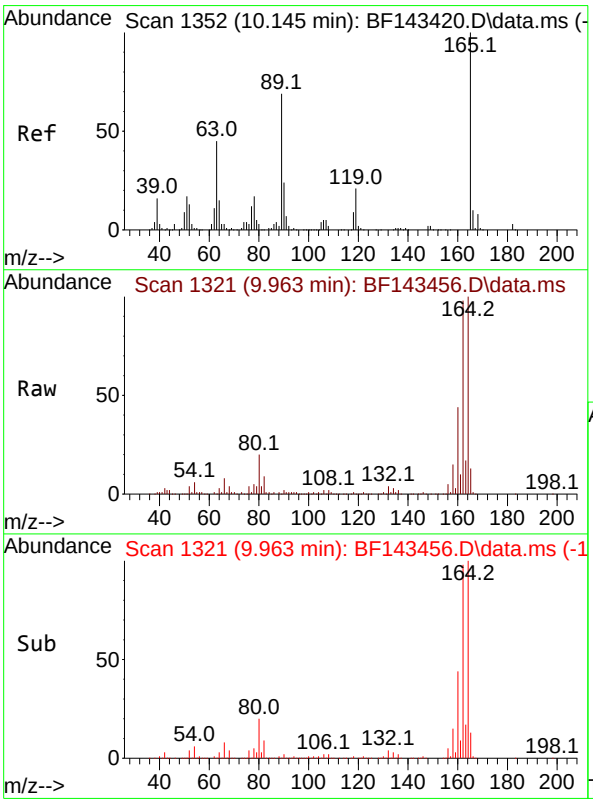
#51
2,6-Dinitrotoluene
Concen: 10.724 ng
RT: 9.963 min Scan# 1
Delta R.T. 0.223 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Tgt Ion:165 Resp: 20723

Ion	Ratio	Lower	Upper
165	100		
63	2.1	48.2	72.2#
89	1.7	44.2	66.2#

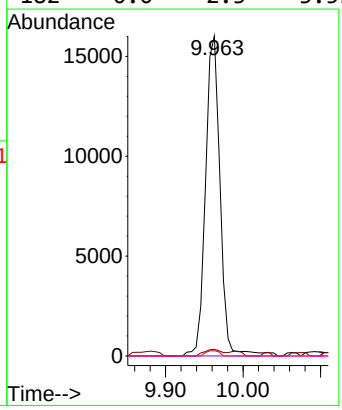


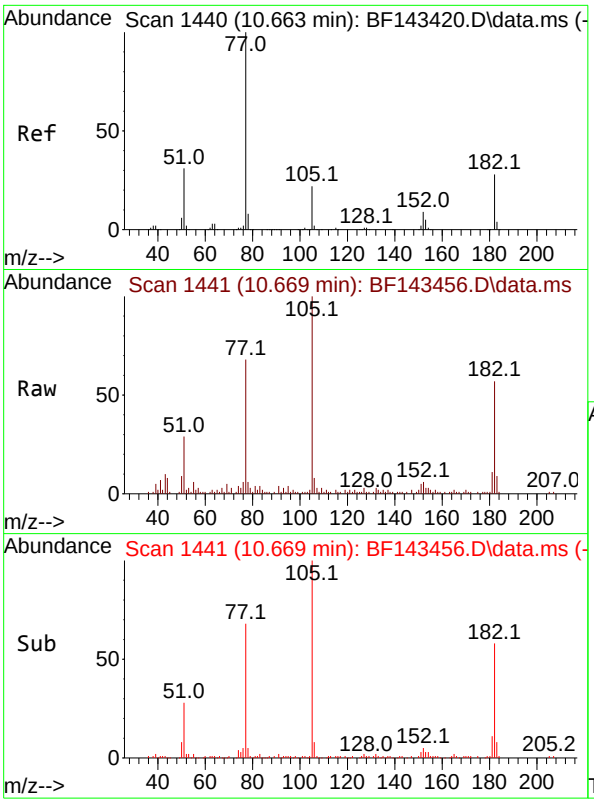


#57
2,4-Dinitrotoluene
Concen: 8.127 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.182 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:165 Resp: 20939

Ion	Ratio	Lower	Upper
165	100		
63	2.1	37.0	55.6#
89	1.7	55.4	83.0#
182	0.0	2.3	3.5#



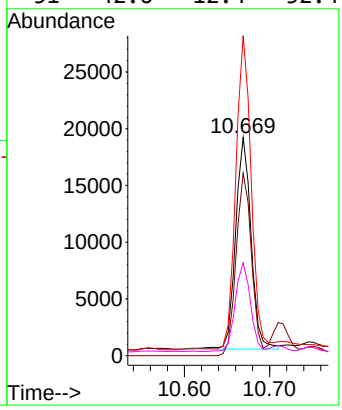


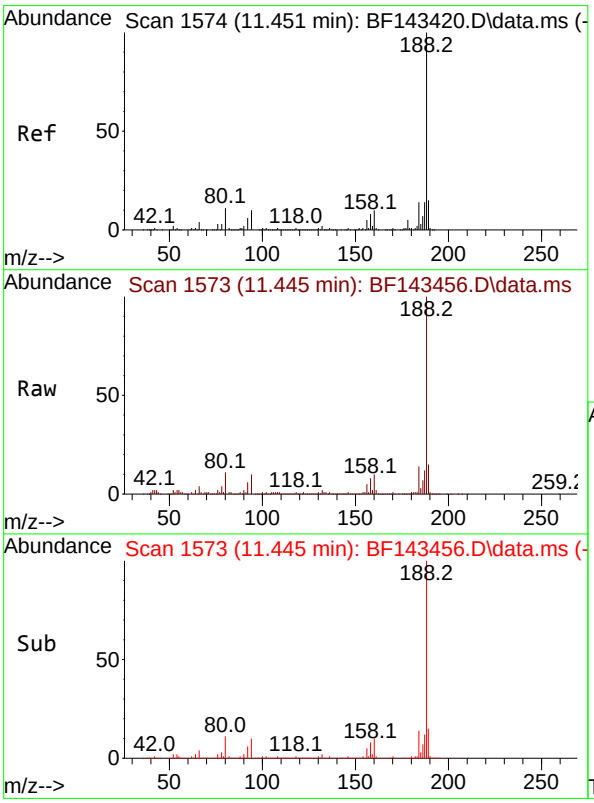
#63
Azobenzene
Concen: 2.579 ng
RT: 10.669 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Tgt Ion: 77 Resp: 23611

Ion	Ratio	Lower	Upper
77	100		
182	83.6	7.4	47.4#
105	146.8	1.7	41.7#
51	42.6	12.4	52.4

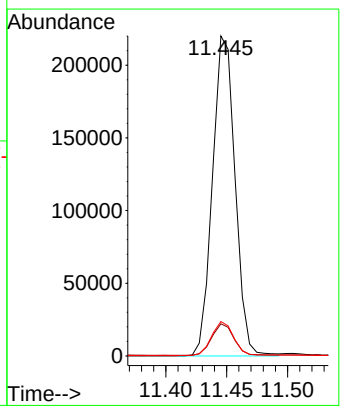


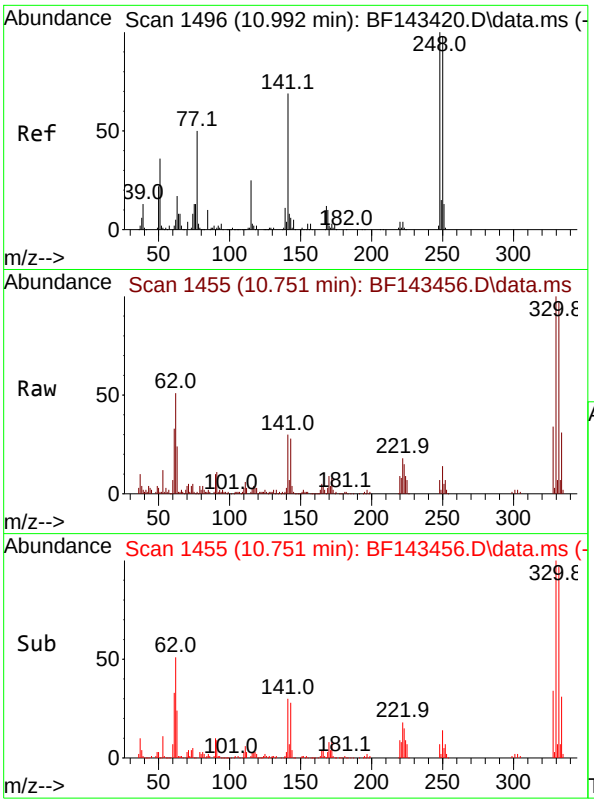


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:188 Resp: 284588

Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.0	12.0
80	10.8	8.6	12.8



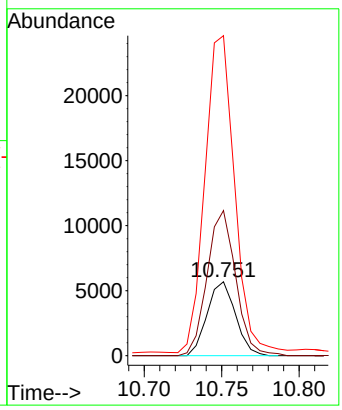


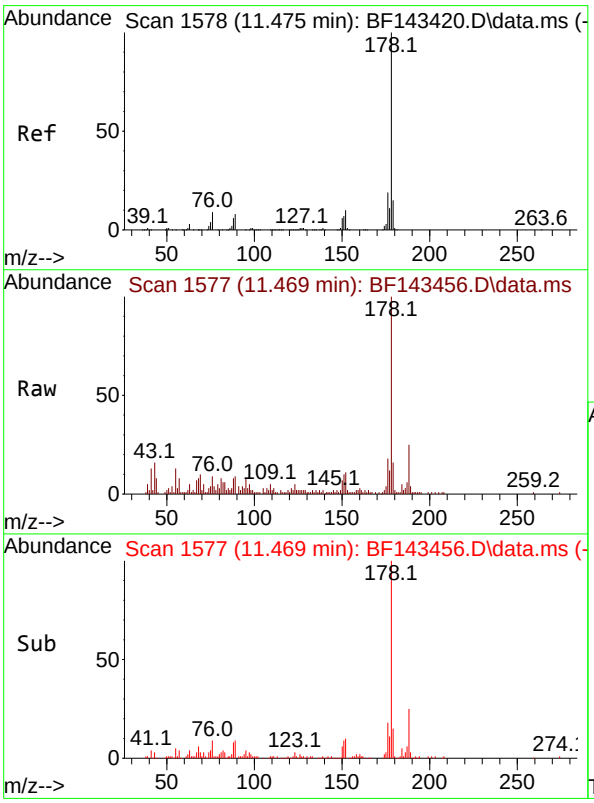
#67
4-Bromophenyl-phenylether
Concen: 2.150 ng
RT: 10.751 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Tgt Ion:248 Resp: 7225

Ion	Ratio	Lower	Upper
248	100		
250	196.3	78.6	118.0#
141	432.9	54.9	82.3#

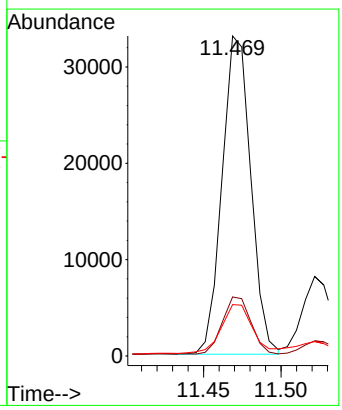


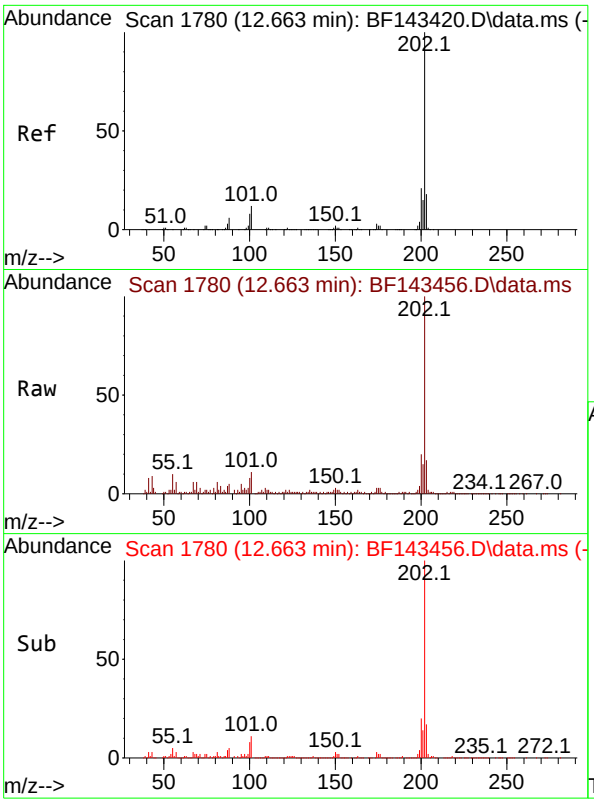


#71
Phenanthrene
Concen: 2.761 ng
RT: 11.469 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:178 Resp: 42555

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.0
179	16.0	12.3	18.5



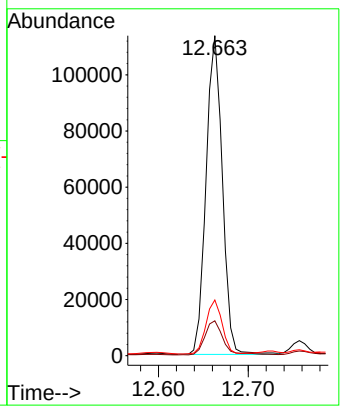


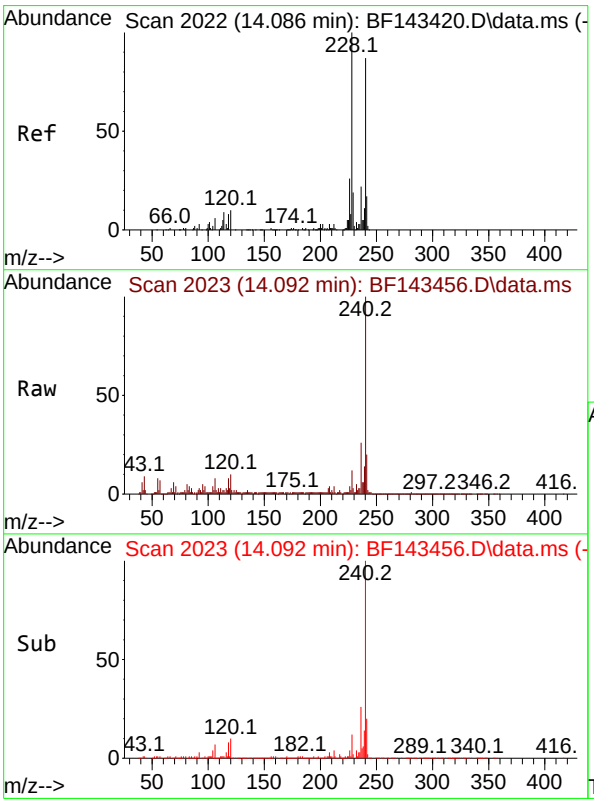
#75
Fluoranthene
Concen: 10.433 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Tgt Ion:202 Resp: 142859

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	31.5
203	17.4	0.0	37.5

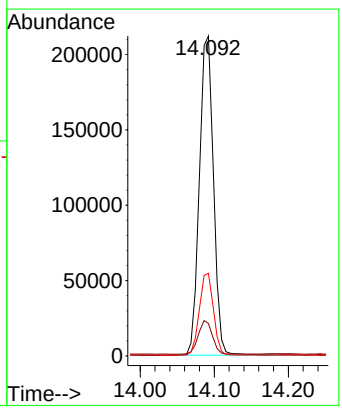


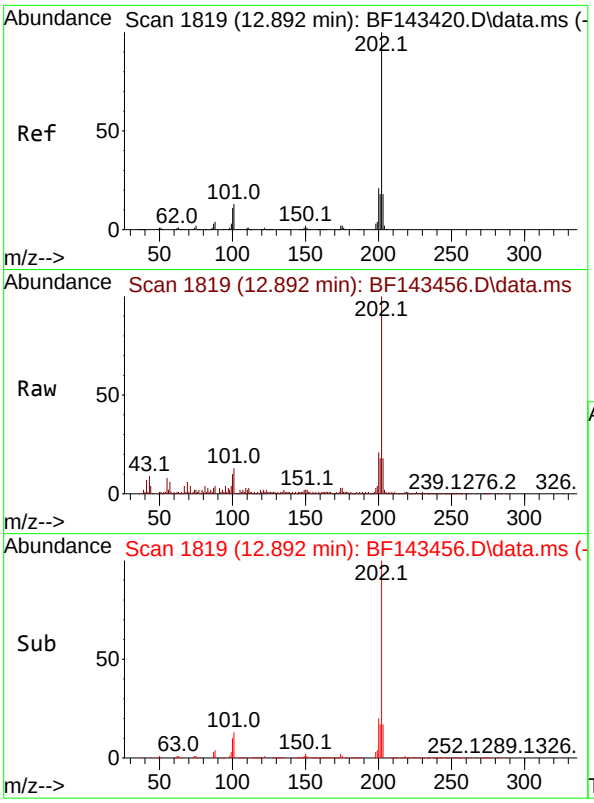


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. 0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:240 Resp: 279953

Ion	Ratio	Lower	Upper
240	100		
120	10.1	9.0	13.4
236	25.8	20.2	30.2



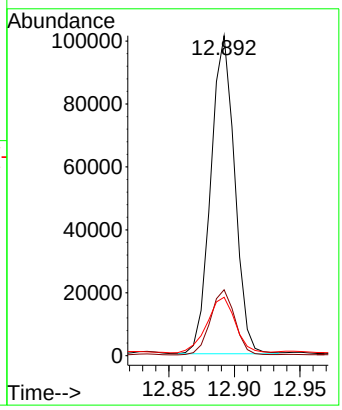


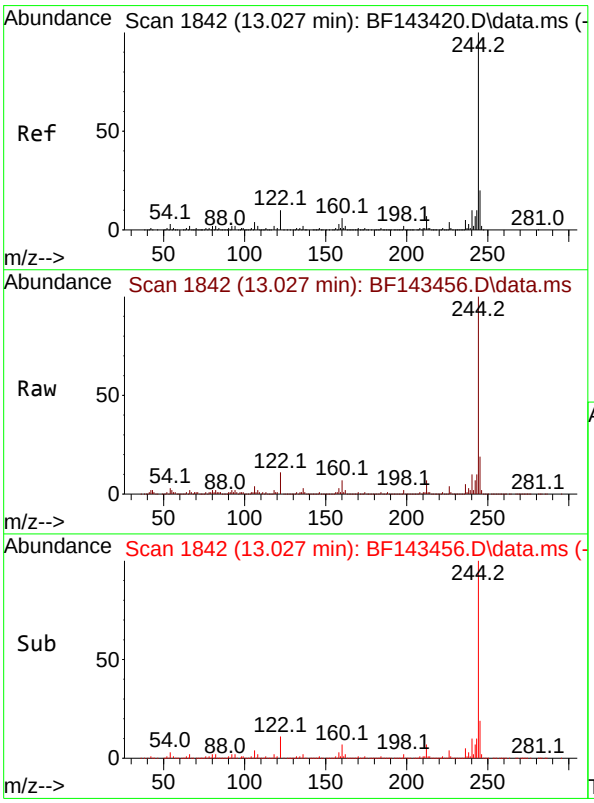
#78
Pyrene
Concen: 5.261 ng
RT: 12.892 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Tgt Ion:202 Resp: 128011

Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.1	25.7
203	18.3	14.2	21.2

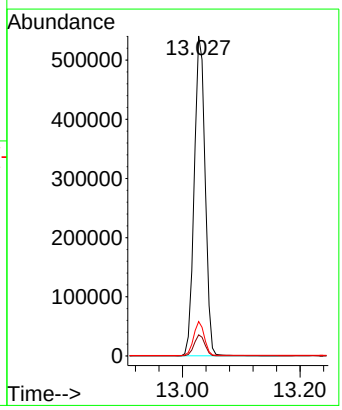


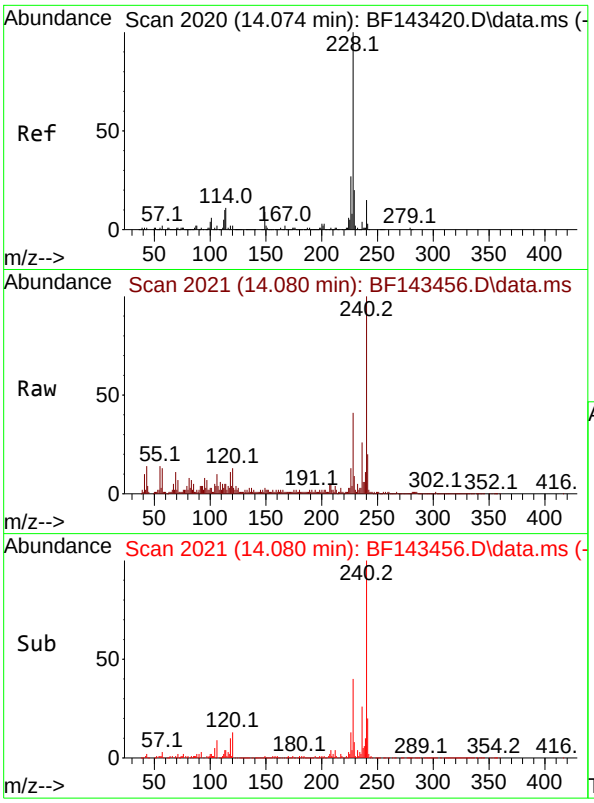


#79
Terphenyl-d14
Concen: 41.708 ng
RT: 13.027 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:244 Resp: 695073

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	10.7	8.3	12.5



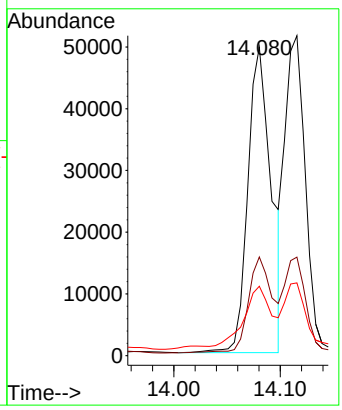


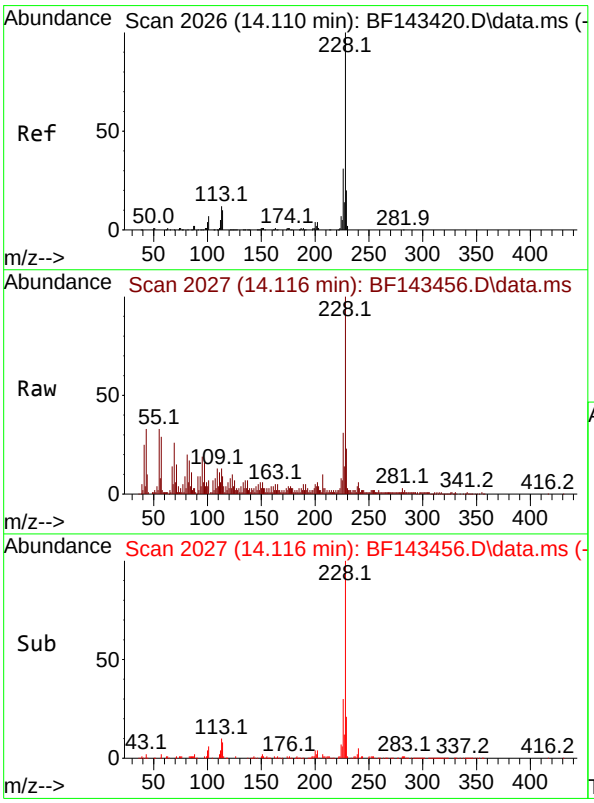
#81
Benzo(a)anthracene
Concen: 4.239 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Tgt Ion:228 Resp: 75556

Ion	Ratio	Lower	Upper
228	100		
226	32.0	21.5	32.3
229	22.5	15.7	23.5

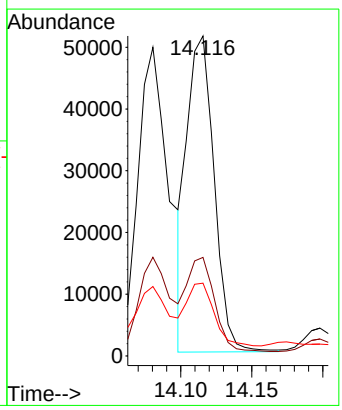


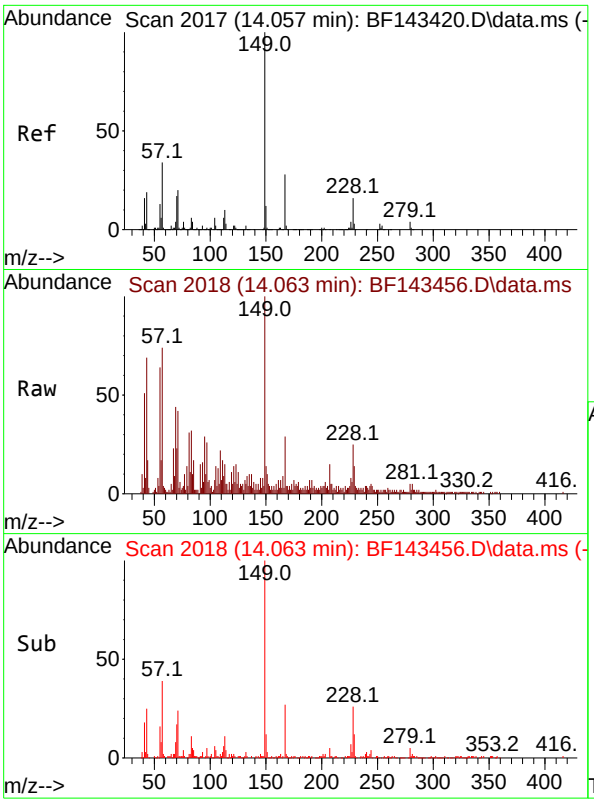


#83
Chrysene
Concen: 4.135 ng
RT: 14.116 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:228 Resp: 68136

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.3	36.5
229	22.8	16.1	24.1



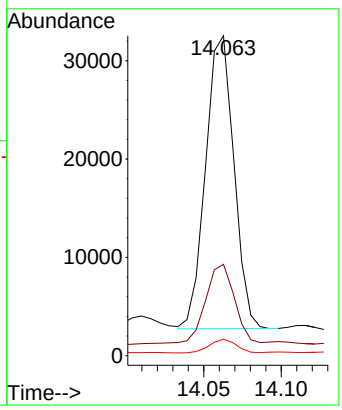


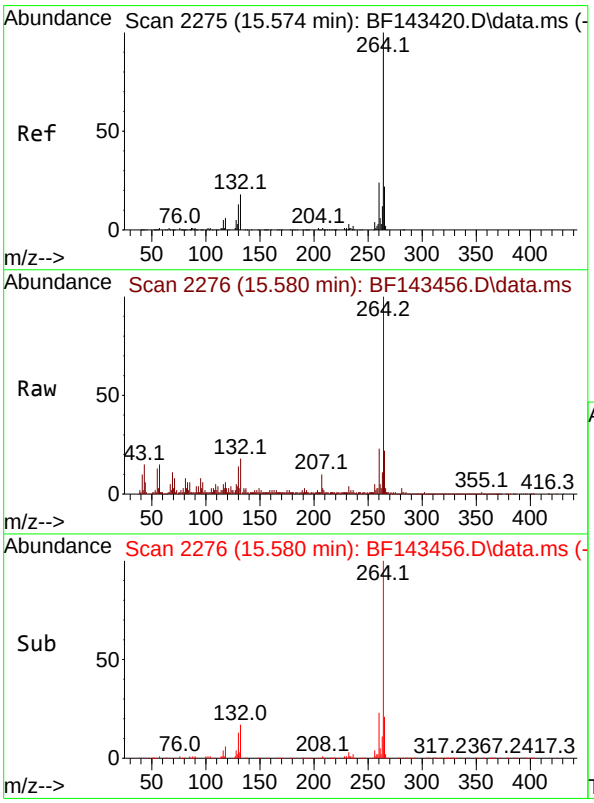
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.427 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Tgt Ion:149 Resp: 37889

Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.6	33.8
279	5.1	3.5	5.3

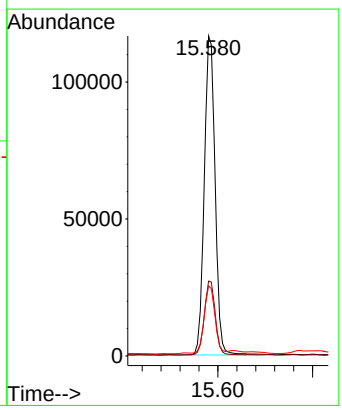


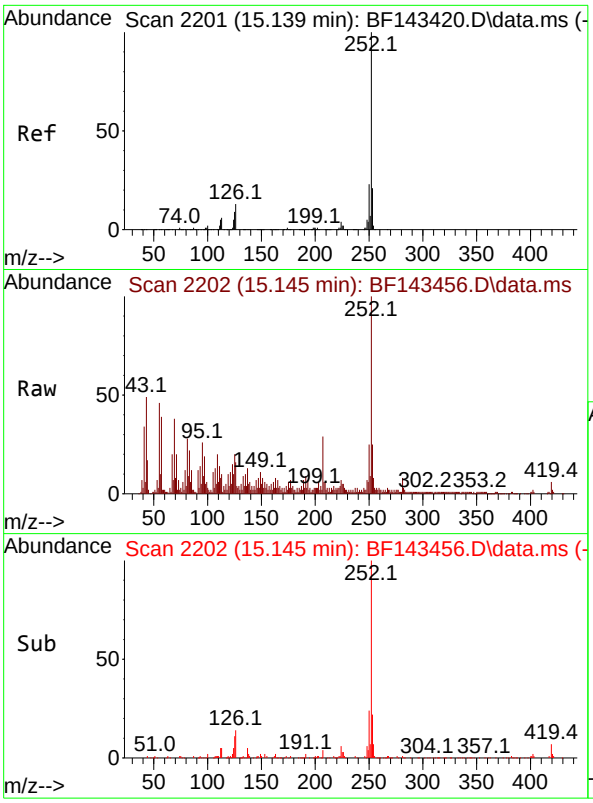


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:264 Resp: 184800

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.8	28.2
265	21.9	17.4	26.0



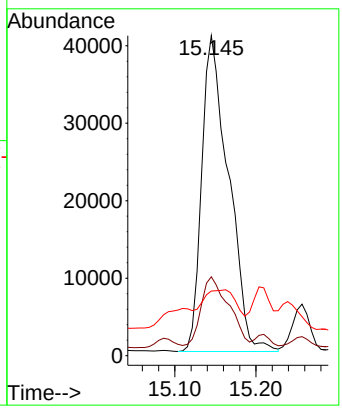


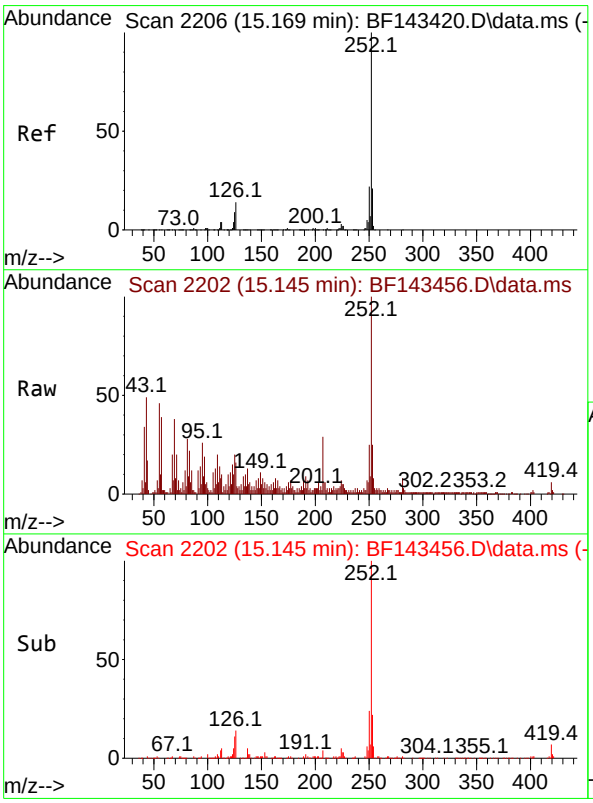
#88
Benzo(b)fluoranthene
Concen: 9.464 ng
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Tgt Ion:252 Resp: 93741

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.1	25.7
125	20.2	7.5	11.3#

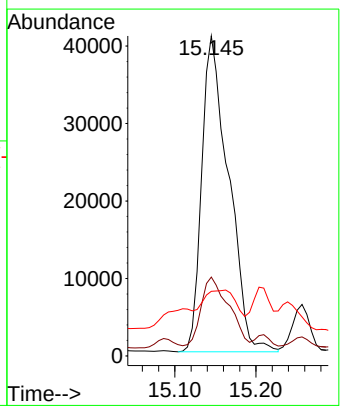


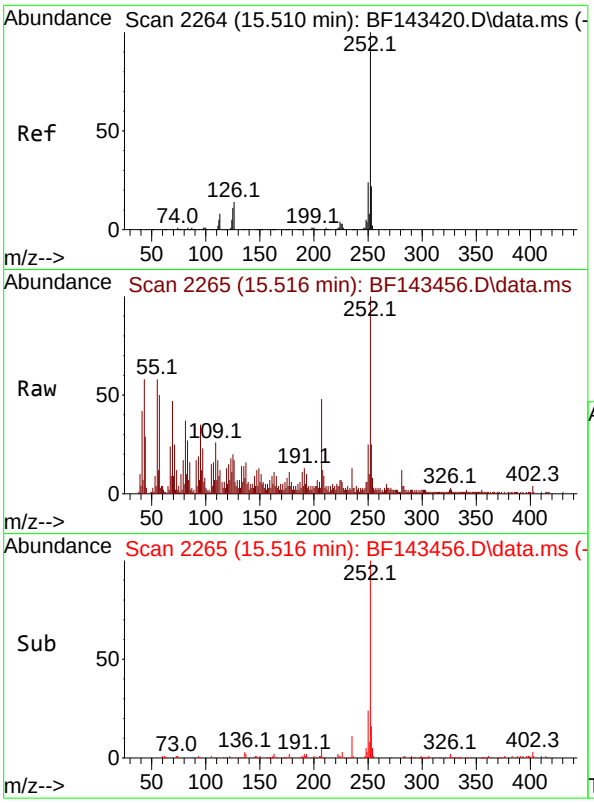


#89
Benzo(k)fluoranthene
Concen: 9.596 ng
RT: 15.145 min Scan# 2202
Delta R.T. -0.024 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:252 Resp: 93741

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.2	25.8
125	20.2	7.4	11.2#



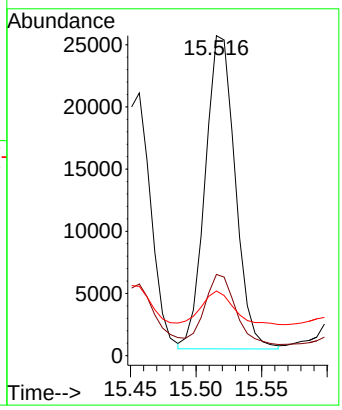


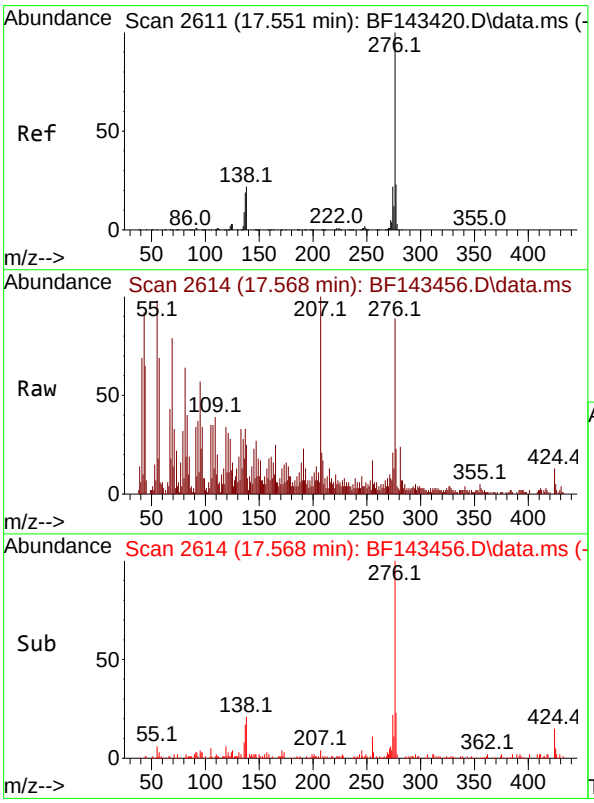
#90
Benzo(a)pyrene
Concen: 4.247 ng
RT: 15.516 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Tgt Ion:252 Resp: 40067

Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.4	26.2
125	20.2	8.6	12.8#

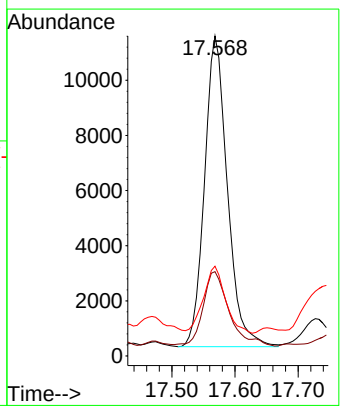




#92
Benzo(g,h,i)perylene
Concen: 2.549 ng
RT: 17.568 min Scan# 2614
Delta R.T. 0.018 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:276 Resp: 28343

Ion	Ratio	Lower	Upper
276	100		
277	26.3	18.7	28.1
138	28.1	17.5	26.3#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143457.D
Acq On : 19 Aug 2025 15:26
Operator : RC/JU
Sample : Q2879-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Quant Time: Aug 19 16:02:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

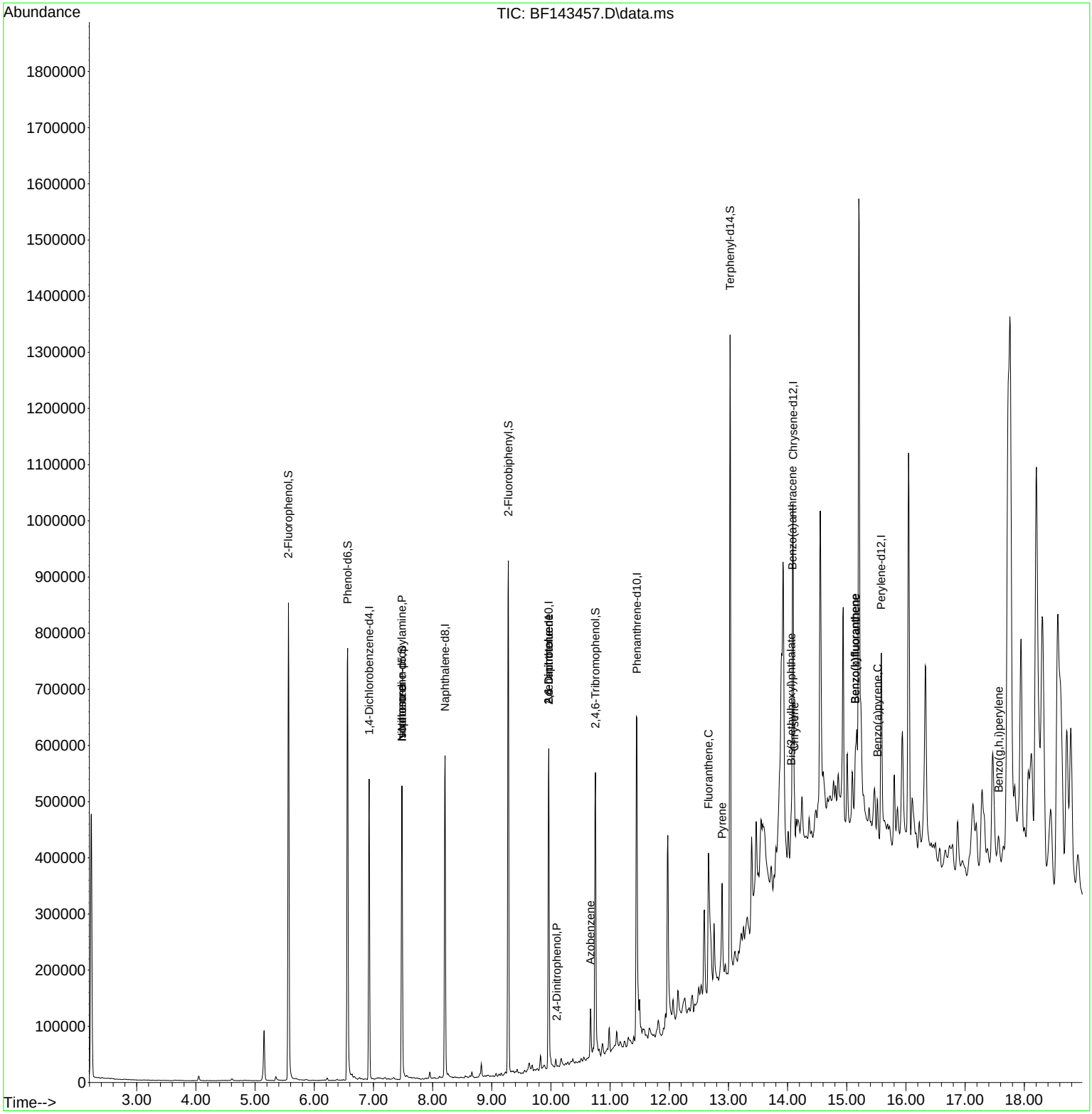
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	111617	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	365896	20.000	ng		0.00
39) Acenaphthene-d10	9.963	164	170198	20.000	ng		0.00
64) Phenanthrene-d10	11.451	188	303592	20.000	ng		0.00
76) Chrysene-d12	14.092	240	288545	20.000	ng		0.00
86) Perylene-d12	15.580	264	189932	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.563	112	314188	48.932	ng		0.00
7) Phenol-d6	6.563	99	363868	44.967	ng		0.00
23) Nitrobenzene-d5	7.481	82	223108	36.182	ng		0.00
42) 2,4,6-Tribromophenol	10.751	330	86970	57.410	ng		0.00
45) 2-Fluorobiphenyl	9.281	172	406883	40.210	ng		0.00
79) Terphenyl-d14	13.027	244	544243	31.685	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	29185	5.826	ng	#	80
25) Isophorone	7.481	82	217205	18.405	ng	#	65
51) 2,6-Dinitrotoluene	9.963	165	22381	10.700	ng	#	24
54) 2,4-Dinitrophenol	10.098	184	185	5.948	ng	#	17
57) 2,4-Dinitrotoluene	9.963	165	22774	8.166	ng	#	25
63) Azobenzene	10.669	77	19969	2.015	ng	#	1
75) Fluoranthene	12.663	202	108913	7.456	ng		100
78) Pyrene	12.892	202	97658	3.894	ng		99
81) Benzo(a)anthracene	14.080	228	69261	3.770	ng		92
83) Chrysene	14.116	228	60557	3.566	ng		97
84) Bis(2-ethylhexyl)phtha...	14.063	149	27243	3.088	ng	#	97
88) Benzo(b)fluoranthene	15.145	252	82747	8.129	ng	#	88
89) Benzo(k)fluoranthene	15.145	252	82747	8.241	ng	#	88
90) Benzo(a)pyrene	15.521	252	36895	3.805	ng	#	89
92) Benzo(g,h,i)perylene	17.568	276	25410	2.224	ng	#	87

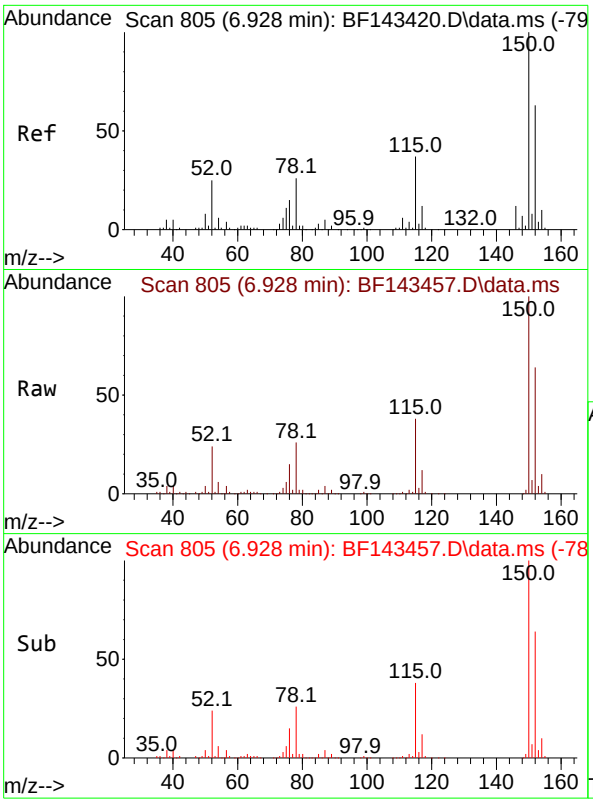
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143457.D
Acq On : 19 Aug 2025 15:26
Operator : RC/JU
Sample : Q2879-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Quant Time: Aug 19 16:02:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration



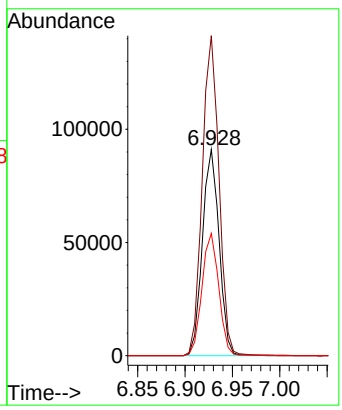


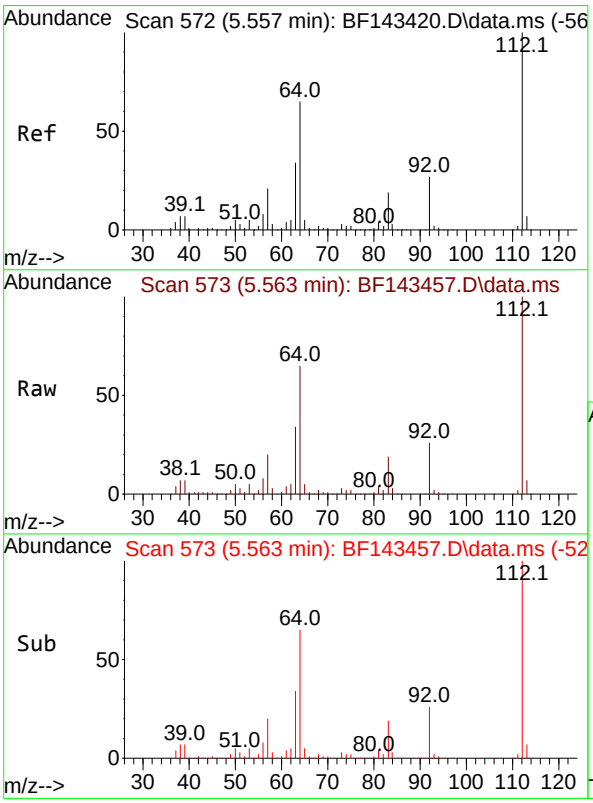
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Tgt Ion:152 Resp: 111617

Ion	Ratio	Lower	Upper
152	100		
150	155.2	127.4	191.2
115	59.3	47.5	71.3

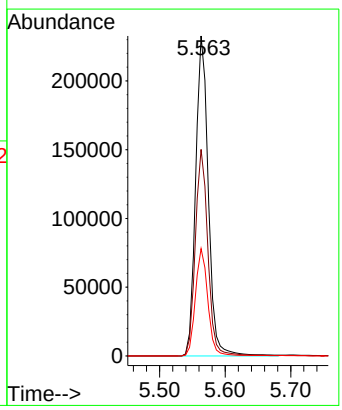


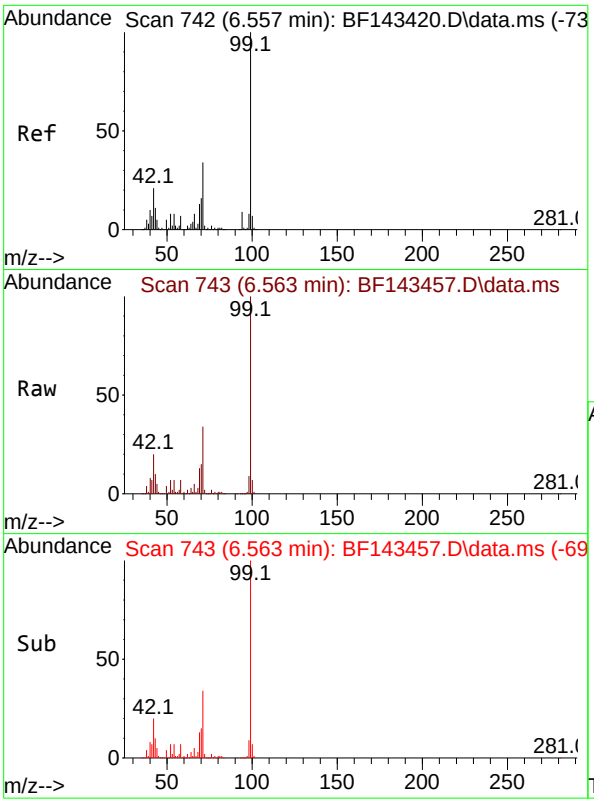


#5
2-Fluorophenol
Concen: 48.932 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.006 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion:112 Resp: 314188

Ion	Ratio	Lower	Upper
112	100		
64	64.6	52.2	78.2
63	33.5	27.0	40.6



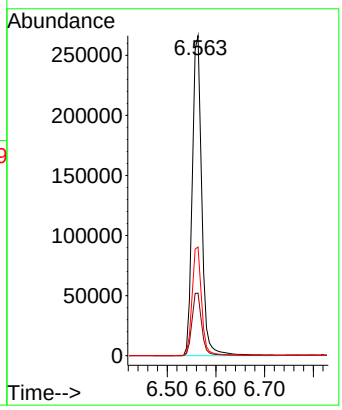


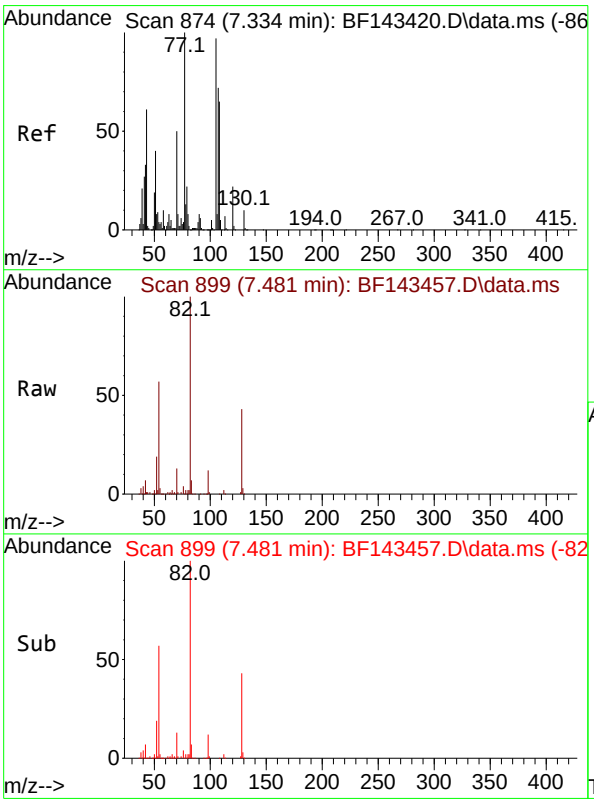
#7
Phenol-d6
Concen: 44.967 ng
RT: 6.563 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Tgt Ion: 99 Resp: 363868

Ion	Ratio	Lower	Upper
99	100		
42	19.6	17.0	25.6
71	34.0	27.4	41.2

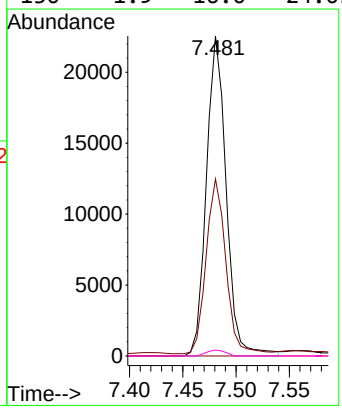


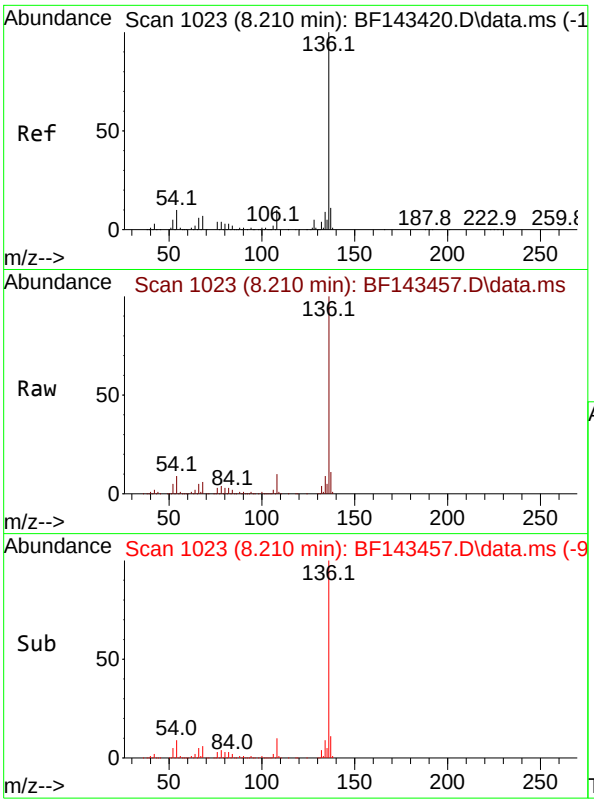


#19
n-Nitroso-di-n-propylamine
Concen: 5.826 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.147 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion: 70 Resp: 29185

Ion	Ratio	Lower	Upper
70	100		
42	55.3	52.5	78.7
101	0.0	7.9	11.9#
130	1.9	16.0	24.0#



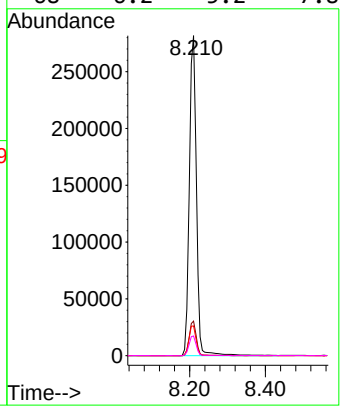


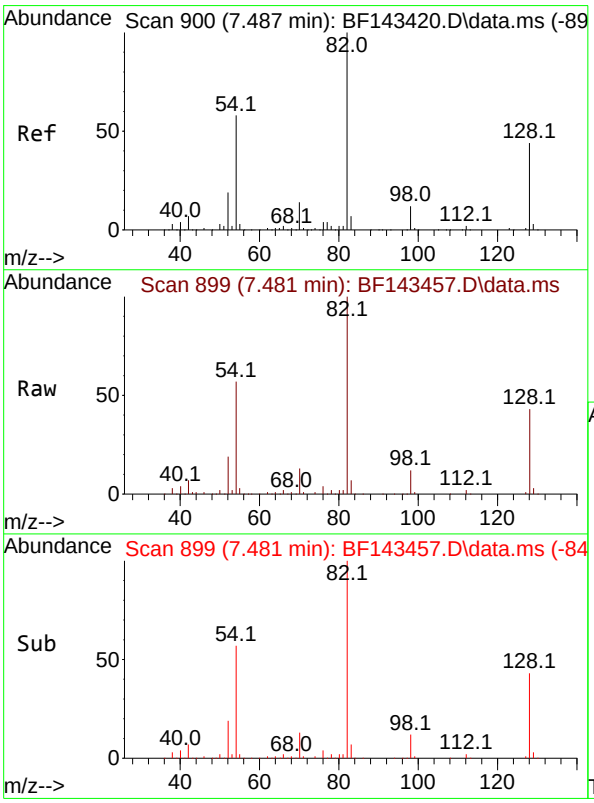
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Tgt Ion:136 Resp: 365896

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	9.3	7.8	11.8
68	6.2	5.2	7.8

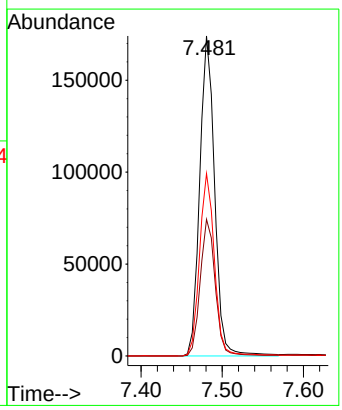


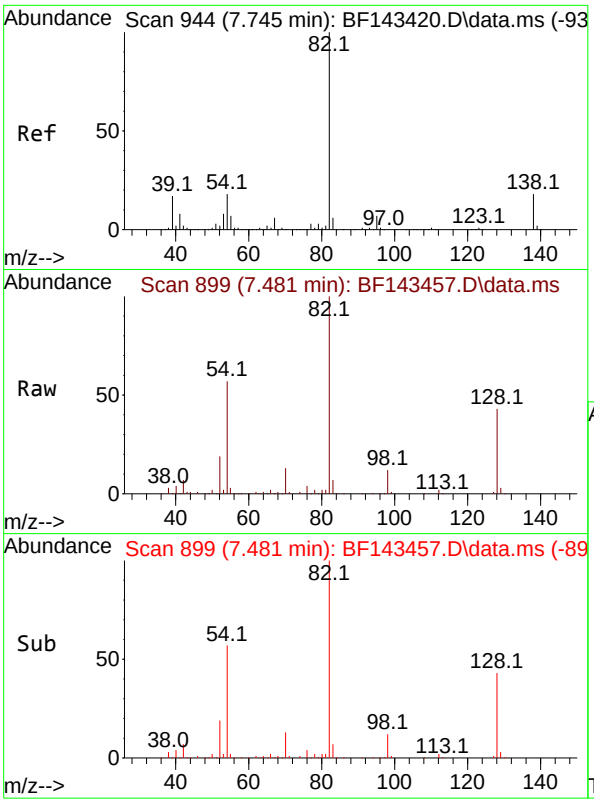


#23
Nitrobenzene-d5
Concen: 36.182 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion: 82 Resp: 223108

Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.6	52.0
54	57.0	46.0	69.0



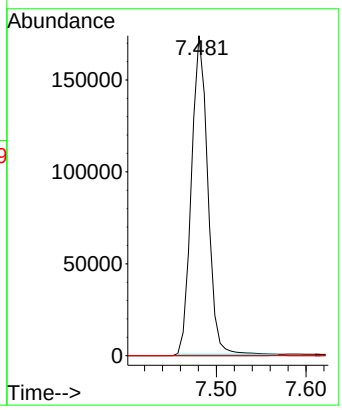


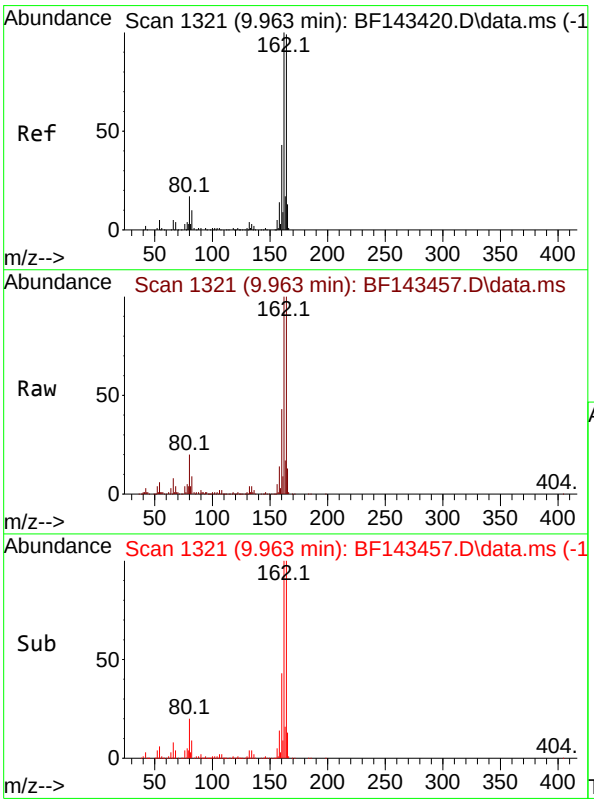
#25
Isophorone
Concen: 18.405 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.265 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Tgt Ion: 82 Resp: 217205

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.3	21.5#

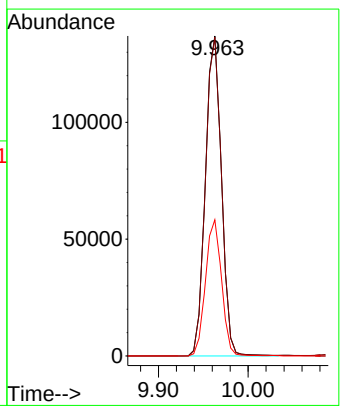


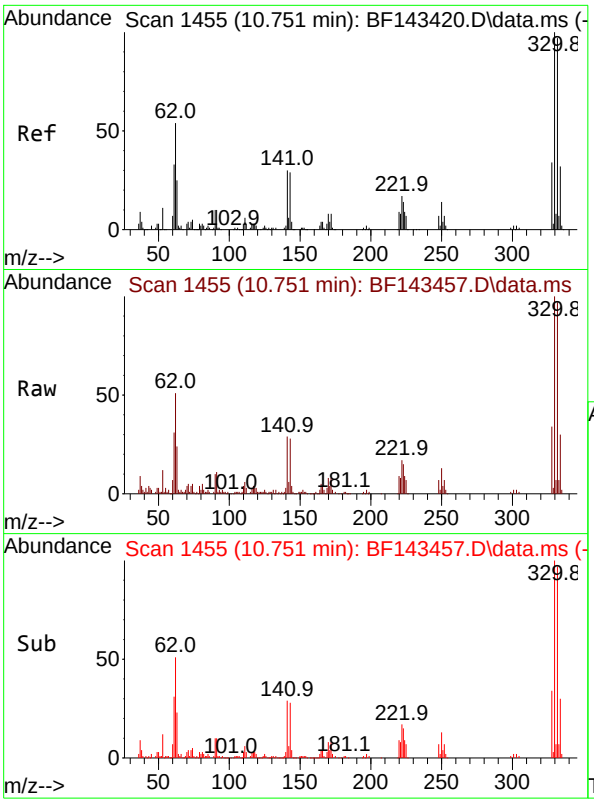


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion:164 Resp: 170198

Ion	Ratio	Lower	Upper
164	100		
162	99.6	80.6	121.0
160	42.6	34.6	51.8



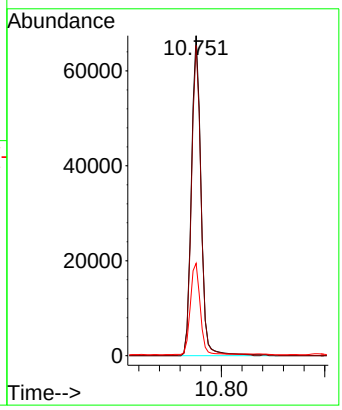


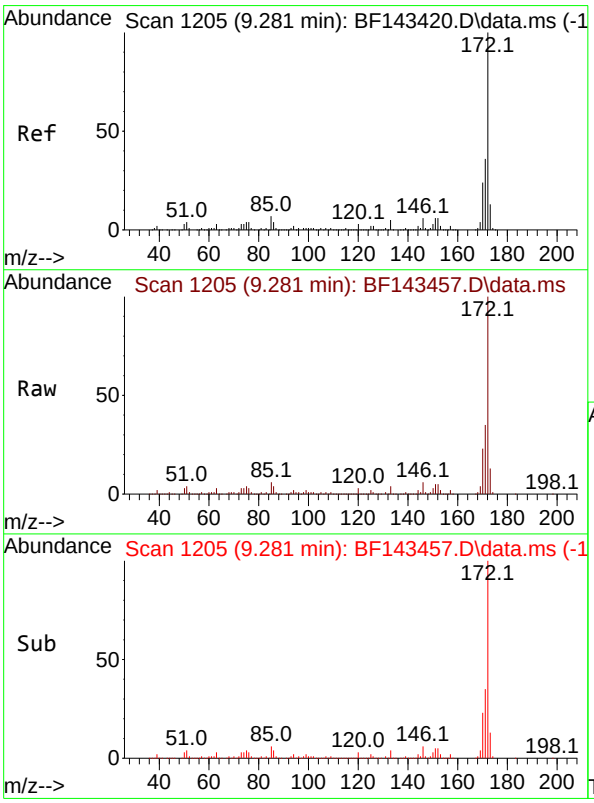
#42
2,4,6-Tribromophenol
Concen: 57.410 ng
RT: 10.751 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Tgt Ion:330 Resp: 86970

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.4	116.2
141	28.8	24.1	36.1

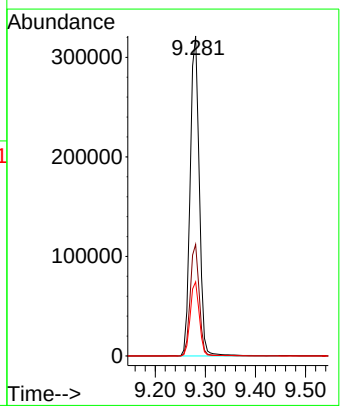


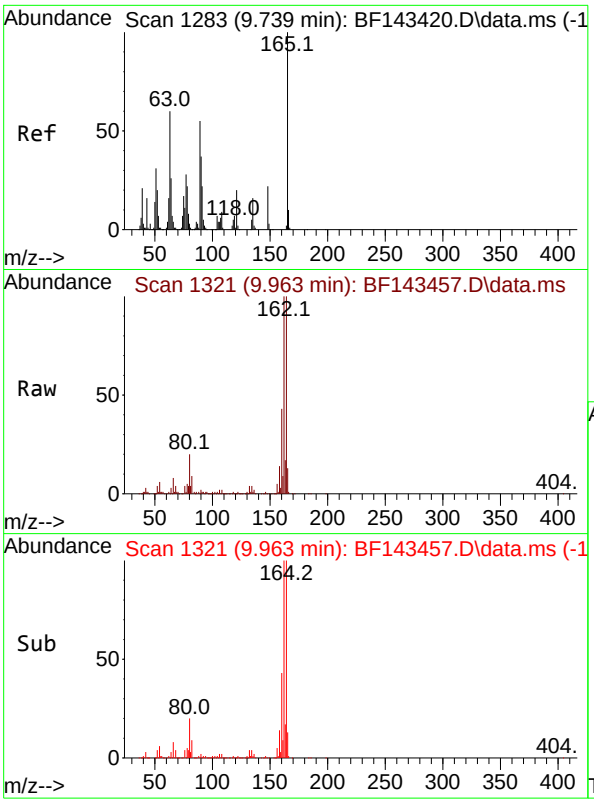


#45
2-Fluorobiphenyl
Concen: 40.210 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion:172 Resp: 406883

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.7	43.1
170	23.1	19.0	28.6



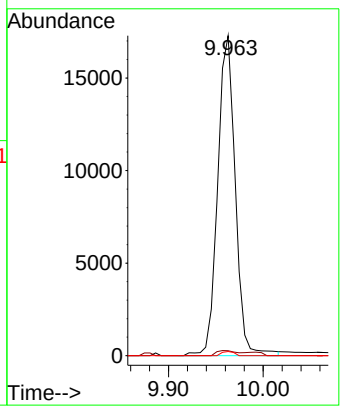


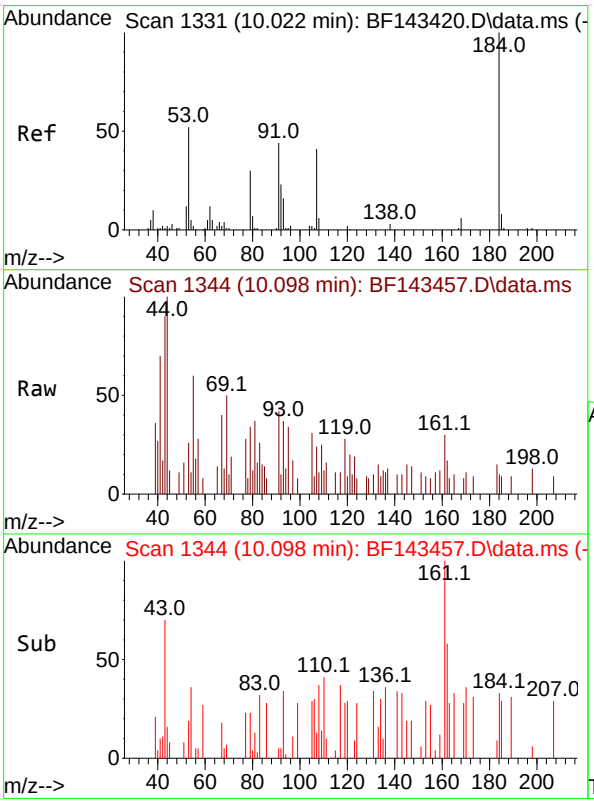
#51
2,6-Dinitrotoluene
Concen: 10.700 ng
RT: 9.963 min Scan# 1
Delta R.T. 0.223 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Tgt Ion:165 Resp: 22381

Ion	Ratio	Lower	Upper
165	100		
63	1.6	48.2	72.2#
89	1.3	44.2	66.2#

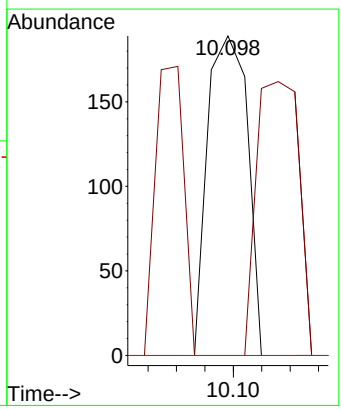


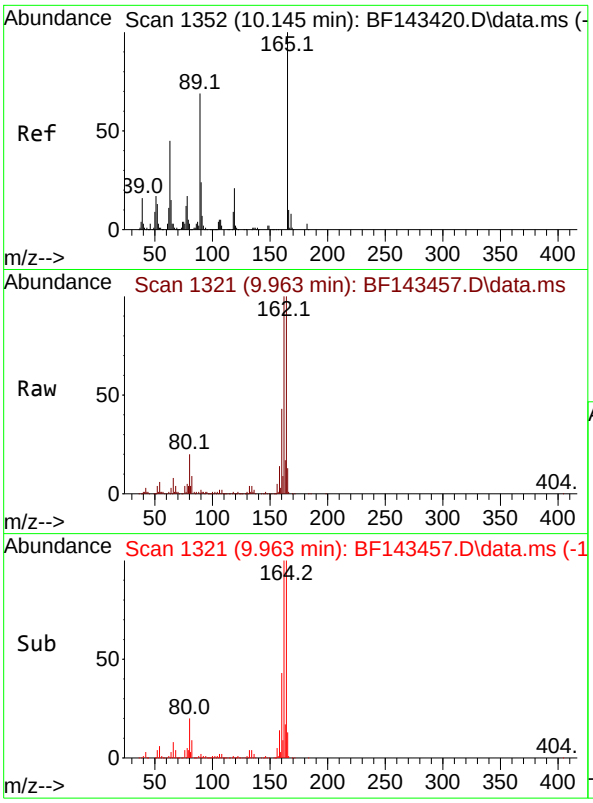


#54
2,4-Dinitrophenol
Concen: 5.948 ng
RT: 10.098 min Scan# 1344
Delta R.T. 0.076 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion:184 Resp: 185

Ion	Ratio	Lower	Upper
184	100		
63	0.0	53.2	79.8#
154	0.0	51.3	76.9#



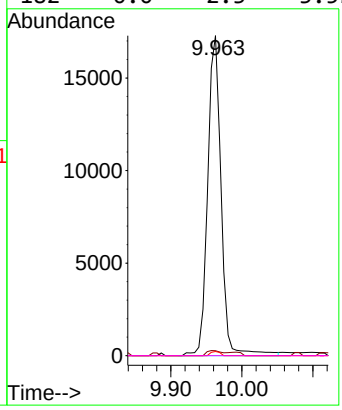


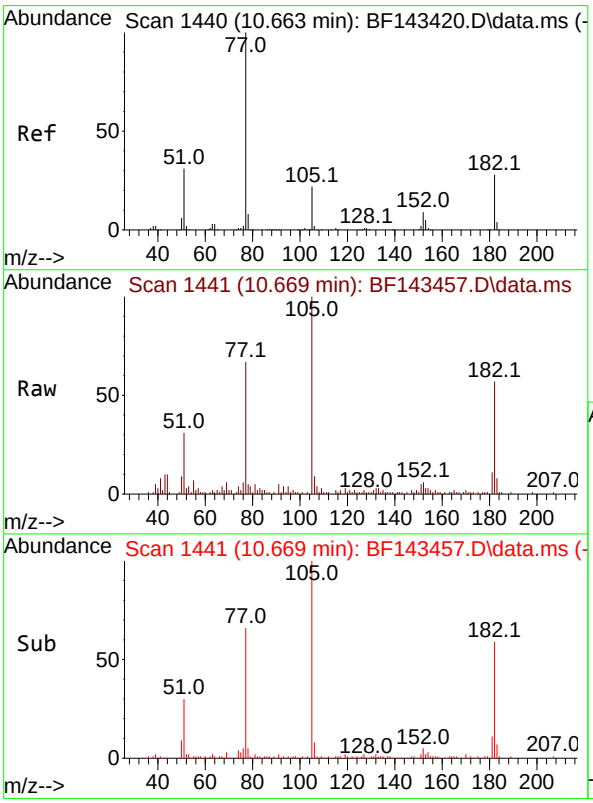
#57
2,4-Dinitrotoluene
Concen: 8.166 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.182 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Tgt Ion:165 Resp: 22774

Ion	Ratio	Lower	Upper
165	100		
63	1.6	37.0	55.6#
89	1.3	55.4	83.0#
182	0.0	2.3	3.5#

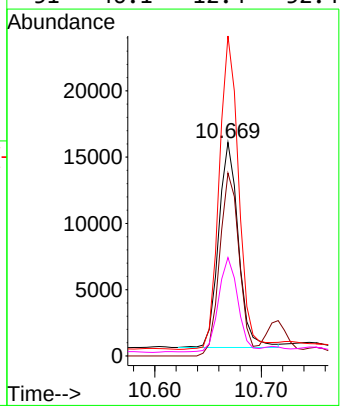


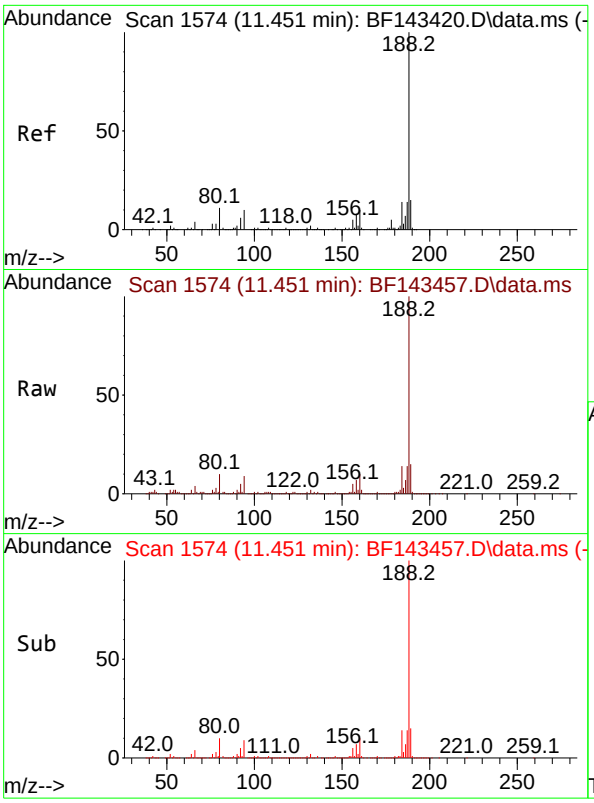


#63
Azobenzene
Concen: 2.015 ng
RT: 10.669 min Scan# 1441
Delta R.T. 0.006 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion: 77 Resp: 19969

Ion	Ratio	Lower	Upper
77	100		
182	85.6	7.4	47.4#
105	149.8	1.7	41.7#
51	46.1	12.4	52.4



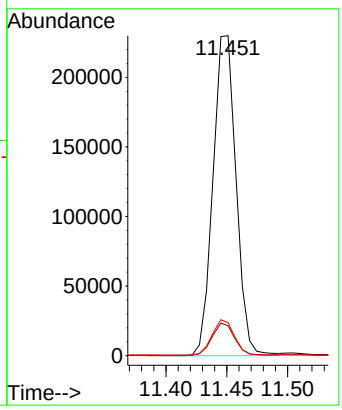


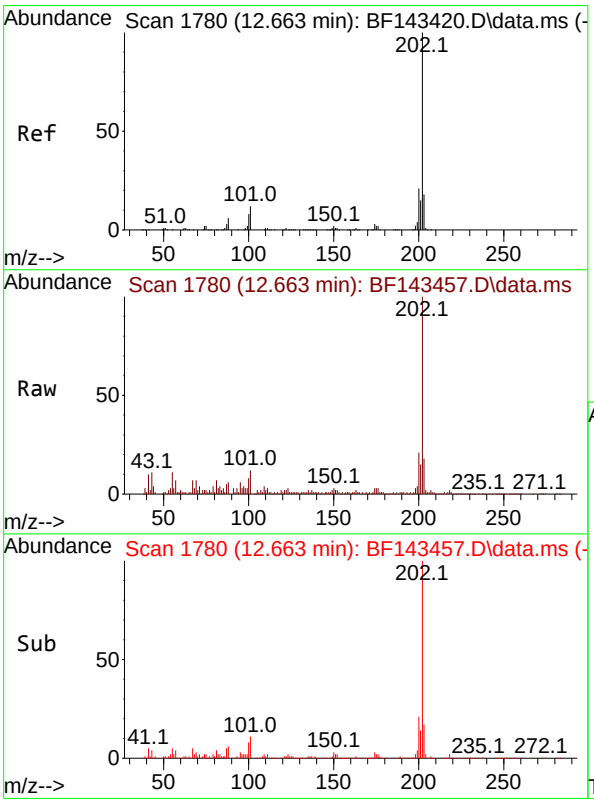
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Tgt Ion:188 Resp: 303592

Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.0	12.0
80	10.3	8.6	12.8

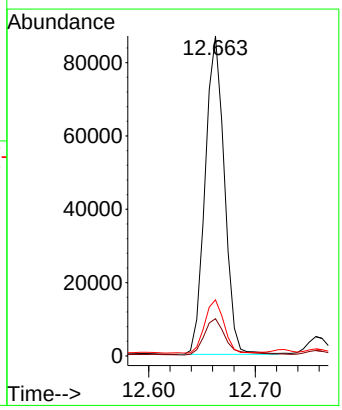


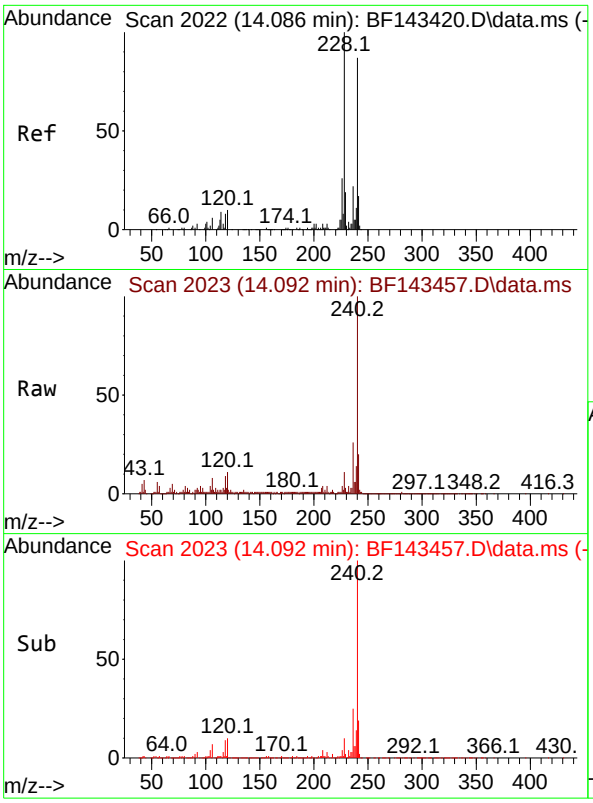


#75
Fluoranthene
Concen: 7.456 ng
RT: 12.663 min Scan# 1780
Delta R.T. -0.000 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion:202 Resp: 108913

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.5
203	17.5	0.0	37.5



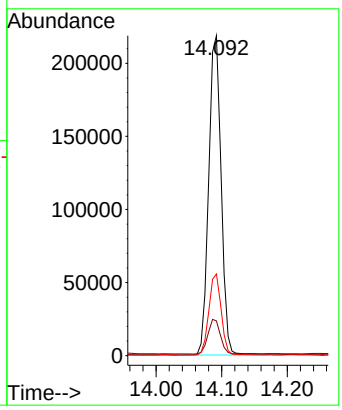


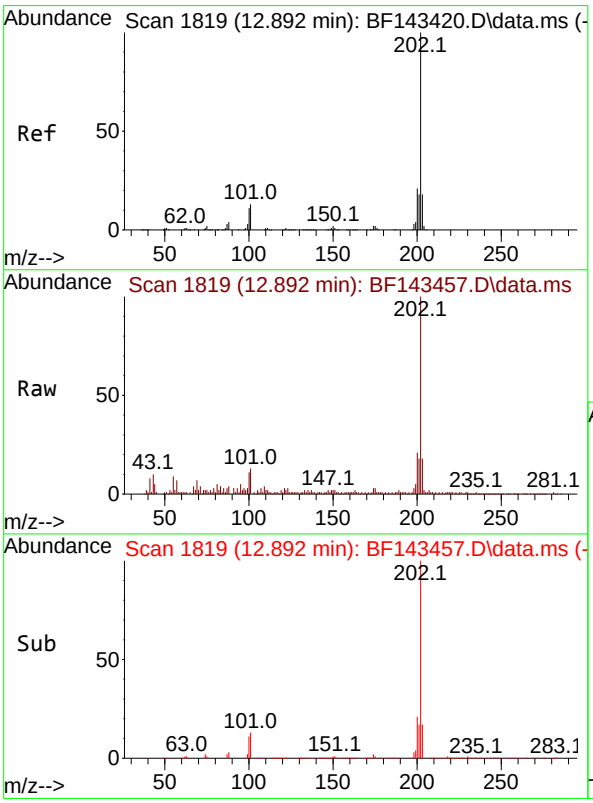
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Tgt Ion:240 Resp: 288545

Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.0	13.4
236	25.5	20.2	30.2

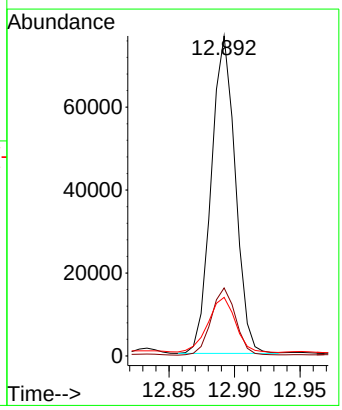


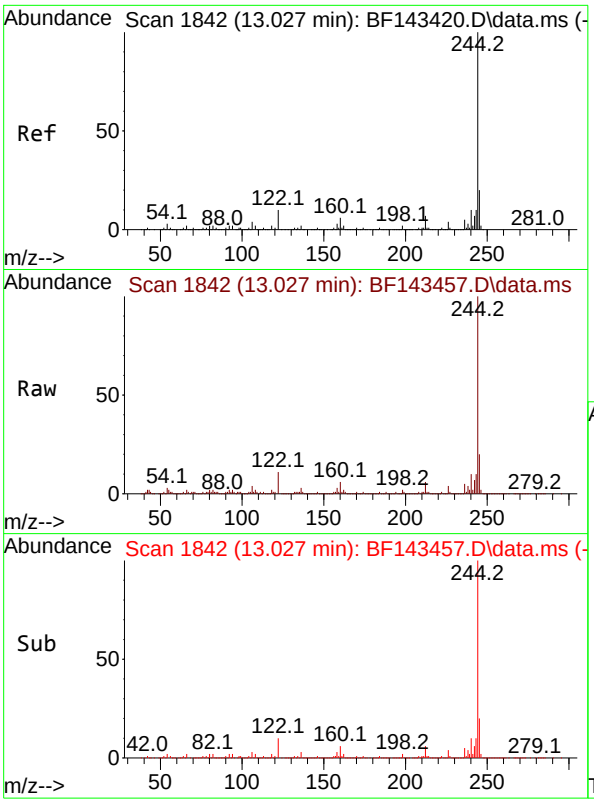


#78
Pyrene
Concen: 3.894 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion:202 Resp: 97658

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.1	25.7
203	18.3	14.2	21.2



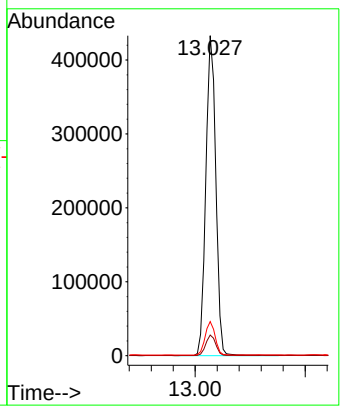


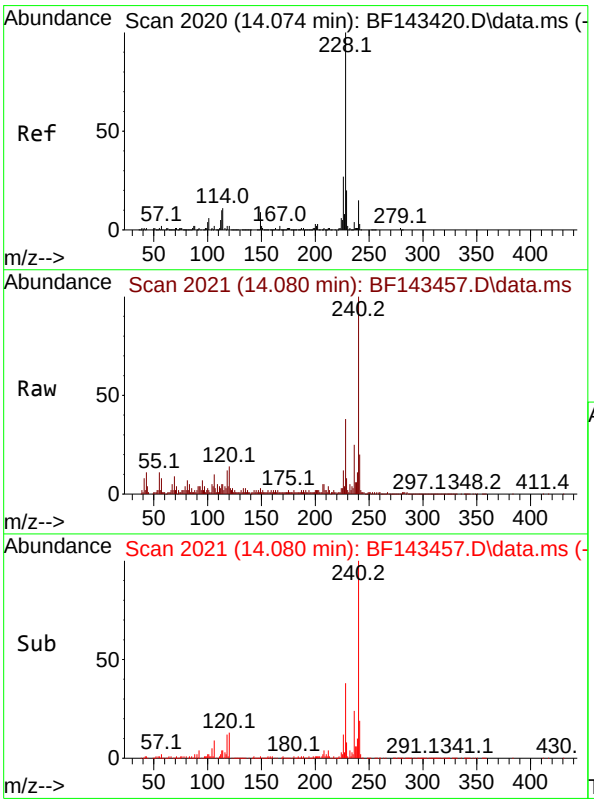
#79
Terphenyl-d14
Concen: 31.685 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Tgt Ion:244 Resp: 544243

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	10.6	8.3	12.5

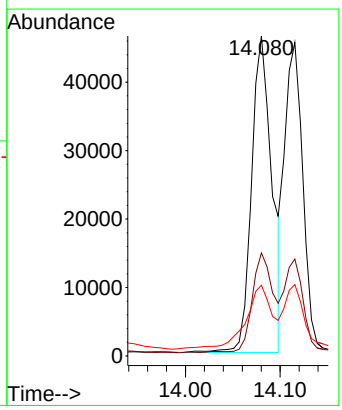


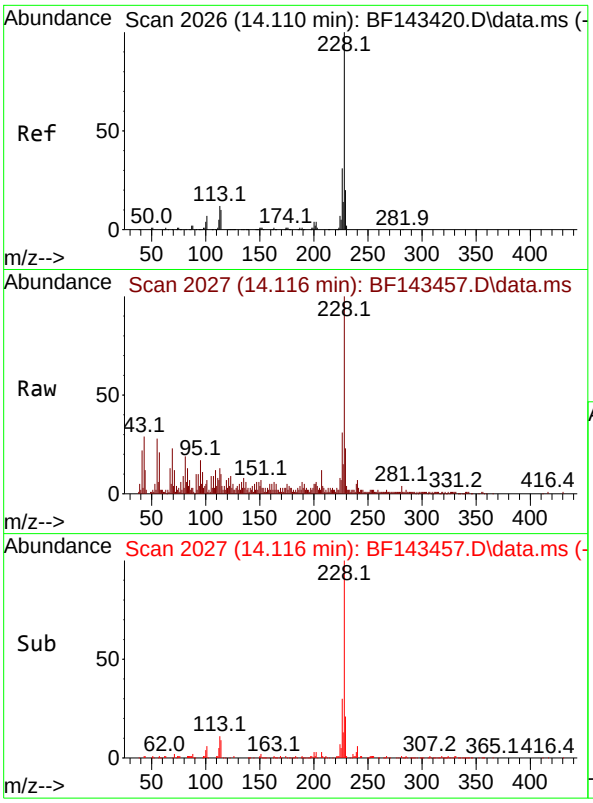


#81
Benzo(a)anthracene
Concen: 3.770 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion:228 Resp: 69261

Ion	Ratio	Lower	Upper
228	100		
226	32.2	21.5	32.3
229	22.1	15.7	23.5



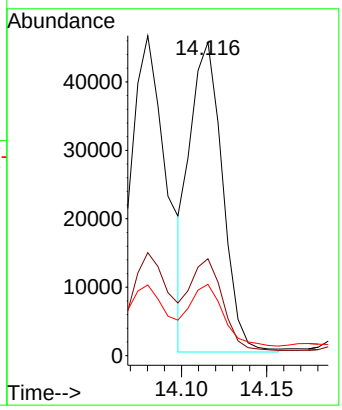


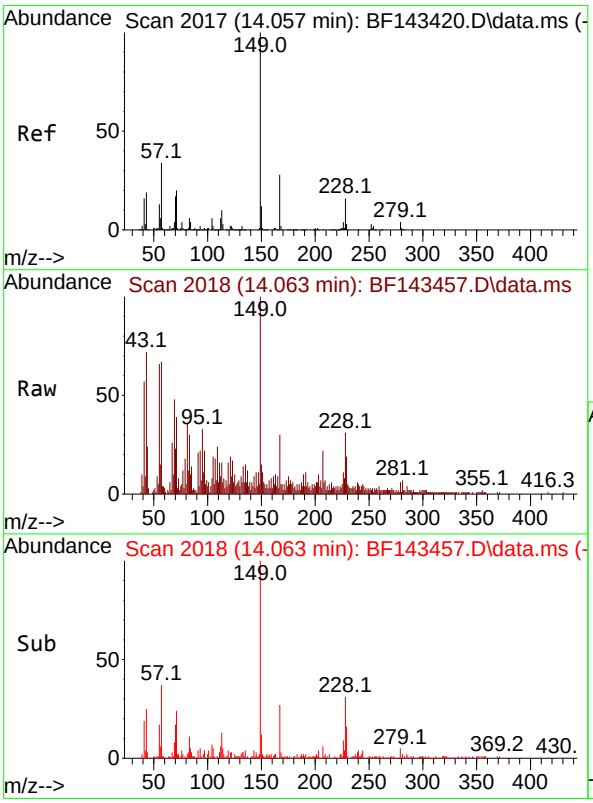
#83
Chrysene
Concen: 3.566 ng
RT: 14.116 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Tgt Ion:228 Resp: 60557

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.3	36.5
229	22.8	16.1	24.1

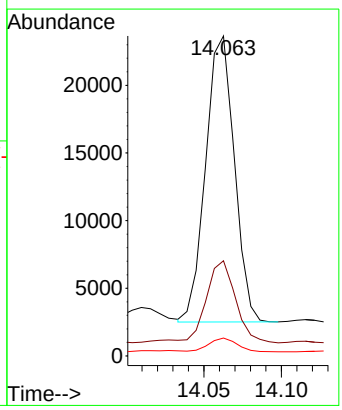


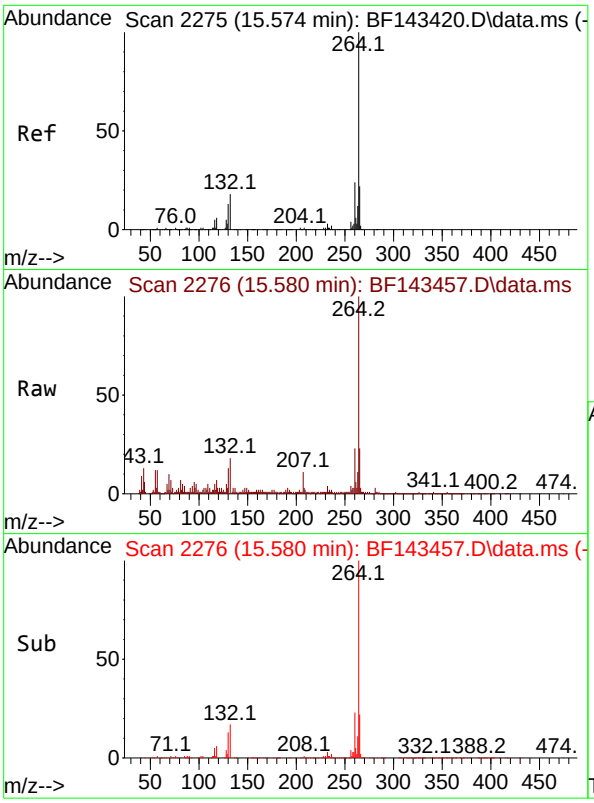


#84
Bis(2-ethylhexyl)phthalate
Concen: 3.088 ng
RT: 14.063 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion:149 Resp: 27243

Ion	Ratio	Lower	Upper
149	100		
167	29.7	22.6	33.8
279	5.6	3.5	5.3#



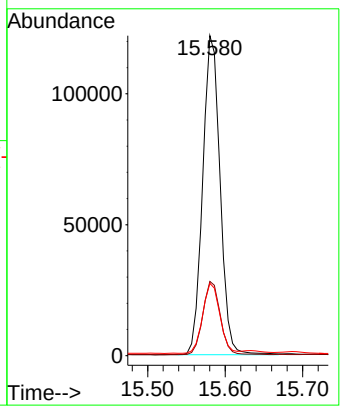


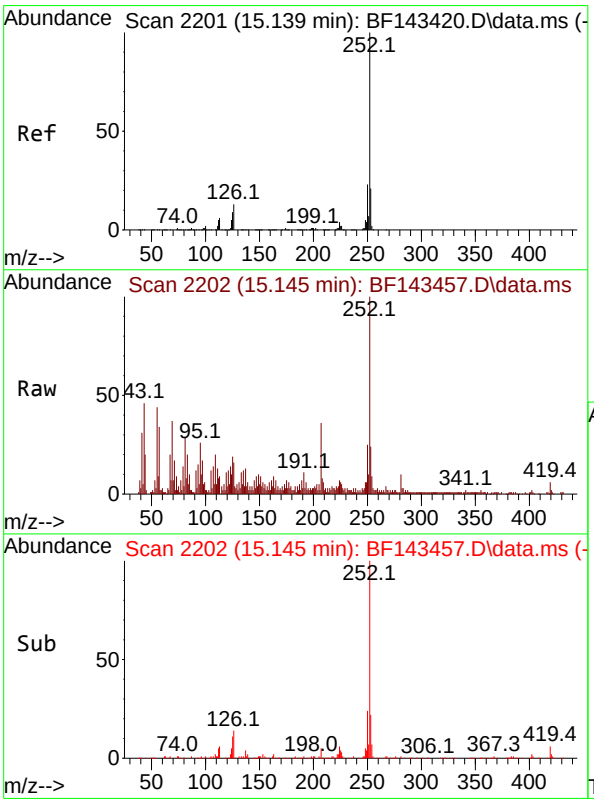
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Tgt Ion:264 Resp: 189932

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.8	28.2
265	22.6	17.4	26.0

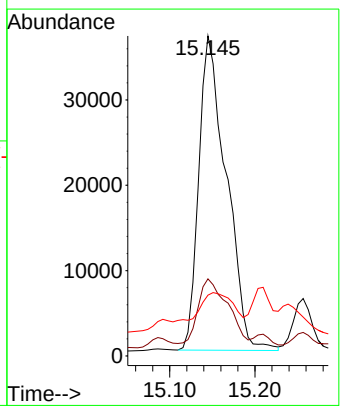


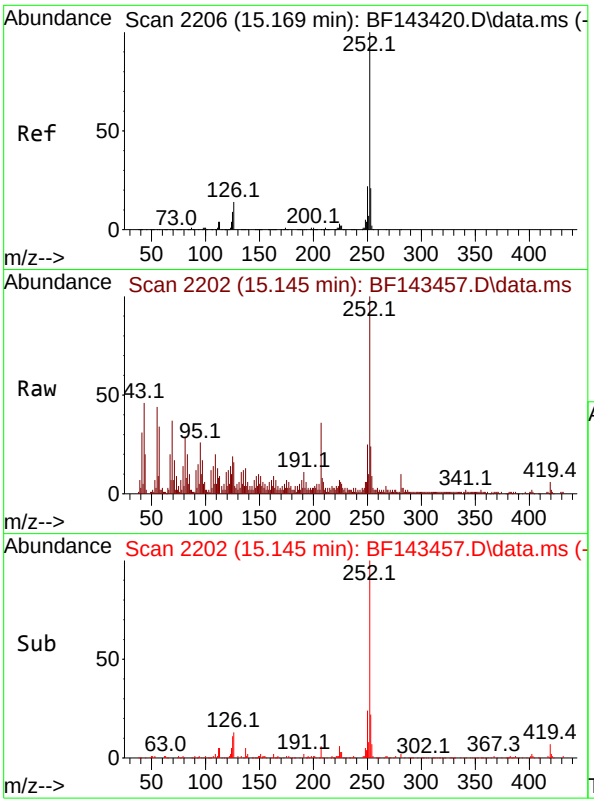


#88
Benzo(b)fluoranthene
Concen: 8.129 ng
RT: 15.145 min Scan# 2202
Delta R.T. 0.006 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion:252 Resp: 82747

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.1	25.7
125	19.0	7.5	11.3#



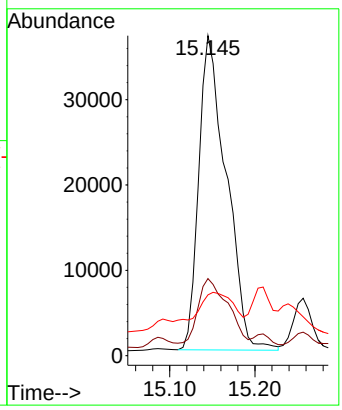


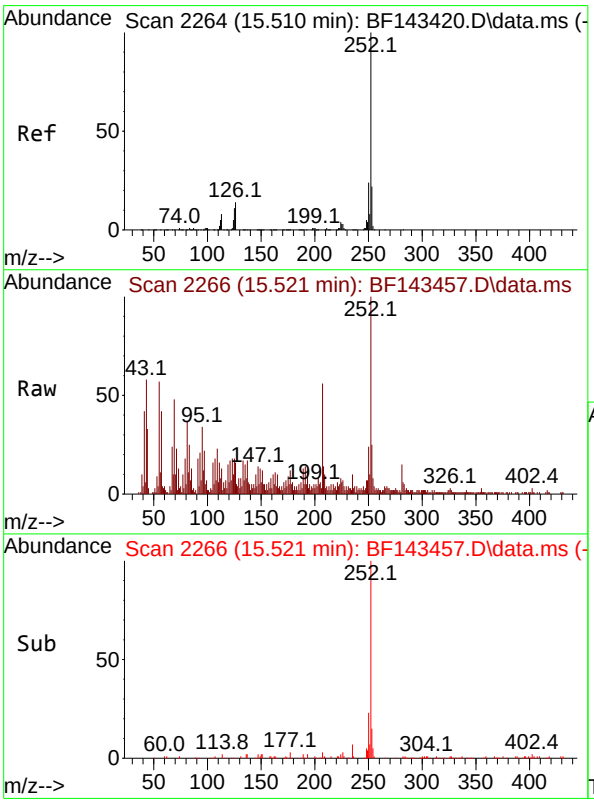
#89
Benzo(k)fluoranthene
Concen: 8.241 ng
RT: 15.145 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Tgt Ion:252 Resp: 82747

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.2	25.8
125	19.0	7.4	11.2#

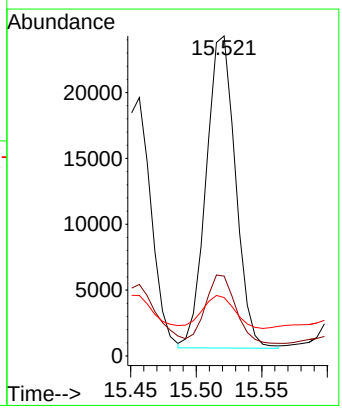


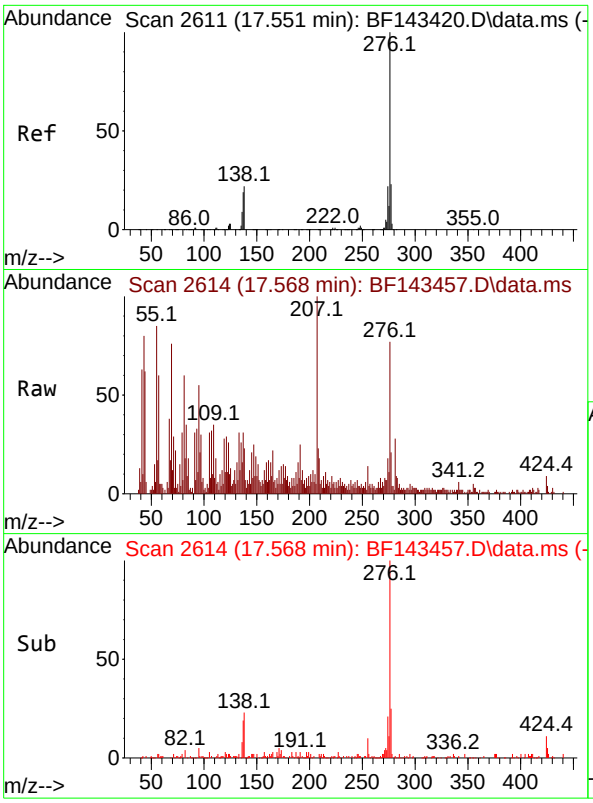


#90
Benzo(a)pyrene
Concen: 3.805 ng
RT: 15.521 min Scan# 2266
Delta R.T. 0.012 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion:252 Resp: 36895

Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.4	26.2
125	18.3	8.6	12.8#



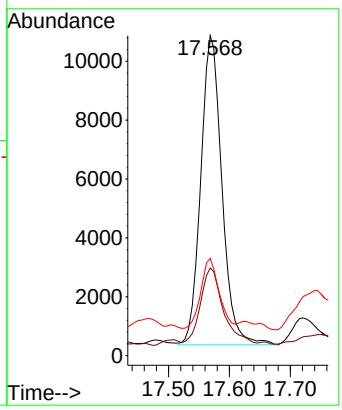


#92
Benzo(g,h,i)perylene
Concen: 2.224 ng
RT: 17.568 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Tgt Ion:276 Resp: 25410

Ion	Ratio	Lower	Upper
276	100		
277	27.4	18.7	28.1
138	30.4	17.5	26.3#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143458.D
Acq On : 19 Aug 2025 15:55
Operator : RC/JU
Sample : Q2879-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Quant Time: Aug 19 16:23:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

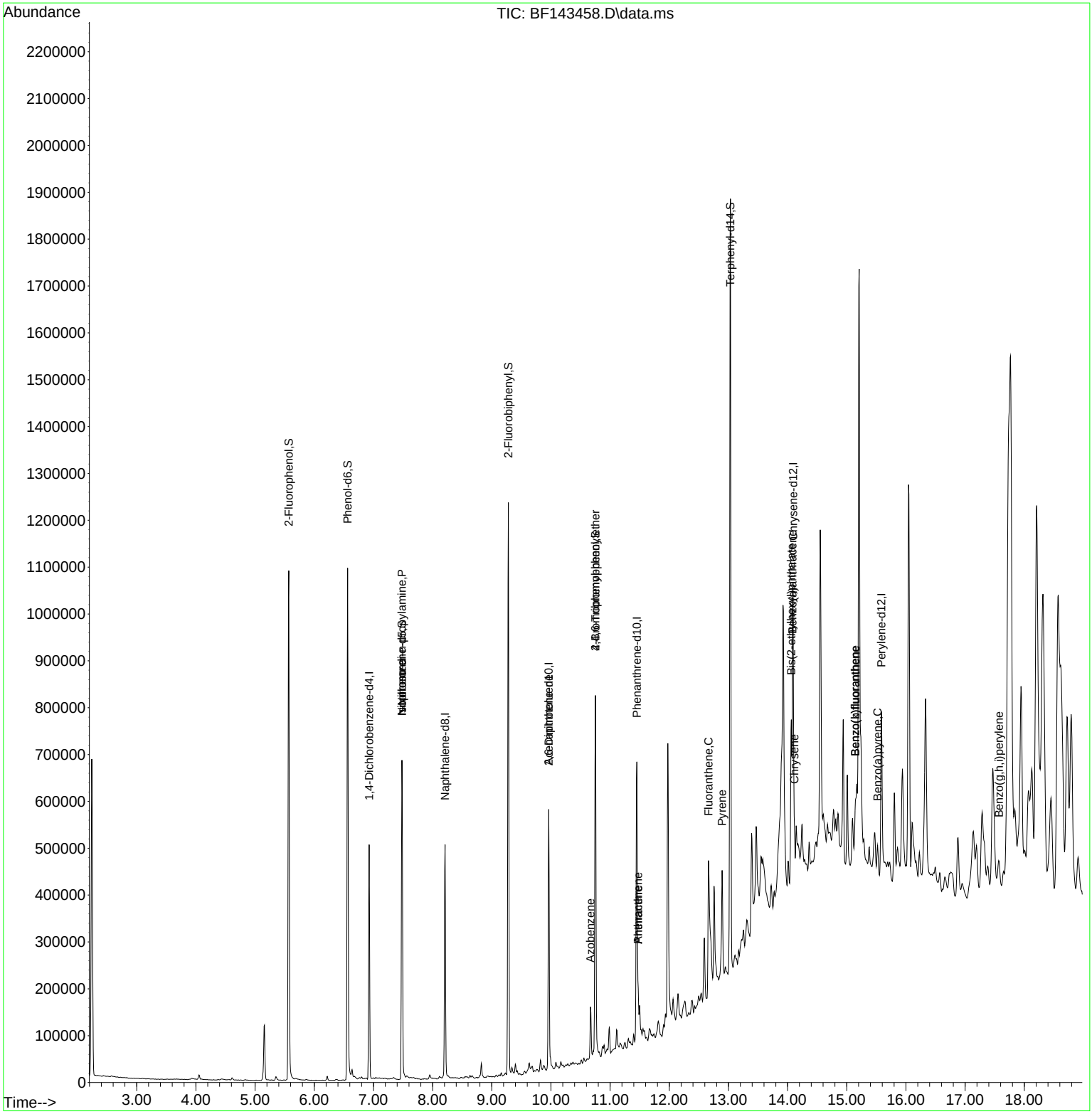
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	101637	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	308767	20.000	ng		0.00
39) Acenaphthene-d10	9.963	164	162569	20.000	ng		0.00
64) Phenanthrene-d10	11.451	188	305125	20.000	ng		0.00
76) Chrysene-d12	14.092	240	286997	20.000	ng		0.00
86) Perylene-d12	15.586	264	177608	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.569	112	407224	69.649	ng		0.01
7) Phenol-d6	6.563	99	489994	66.500	ng		0.00
23) Nitrobenzene-d5	7.481	82	292361	56.186	ng		0.00
42) 2,4,6-Tribromophenol	10.751	330	127379	88.031	ng		0.00
45) 2-Fluorobiphenyl	9.280	172	528952	54.727	ng		0.00
79) Terphenyl-d14	13.033	244	823554	48.204	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	38696	8.483	ng	#	79
25) Isophorone	7.481	82	284841	28.601	ng	#	65
51) 2,6-Dinitrotoluene	9.963	165	20790	10.405	ng	#	24
63) Azobenzene	10.669	77	25533	2.697	ng	#	1
67) 4-Bromophenyl-phenylether	10.751	248	8641	2.398	ng	#	1
71) Phenanthrene	11.474	178	41412	2.506	ng		100
72) Anthracene	11.474	178	41412	2.481	ng		99
75) Fluoranthene	12.663	202	134815	9.183	ng		99
78) Pyrene	12.892	202	131647	5.277	ng		99
81) Benzo(a)anthracene	14.080	228	68028	3.723	ng		93
83) Chrysene	14.115	228	63079	3.734	ng		97
84) Bis(2-ethylhexyl)phtha...	14.063	149	131938	15.036	ng		99
88) Benzo(b)fluoranthene	15.145	252	79200	8.320	ng	#	86
89) Benzo(k)fluoranthene	15.145	252	79200	8.436	ng	#	86
90) Benzo(a)pyrene	15.521	252	33994	3.749	ng	#	85
92) Benzo(g,h,i)perylene	17.574	276	25950	2.429	ng	#	89

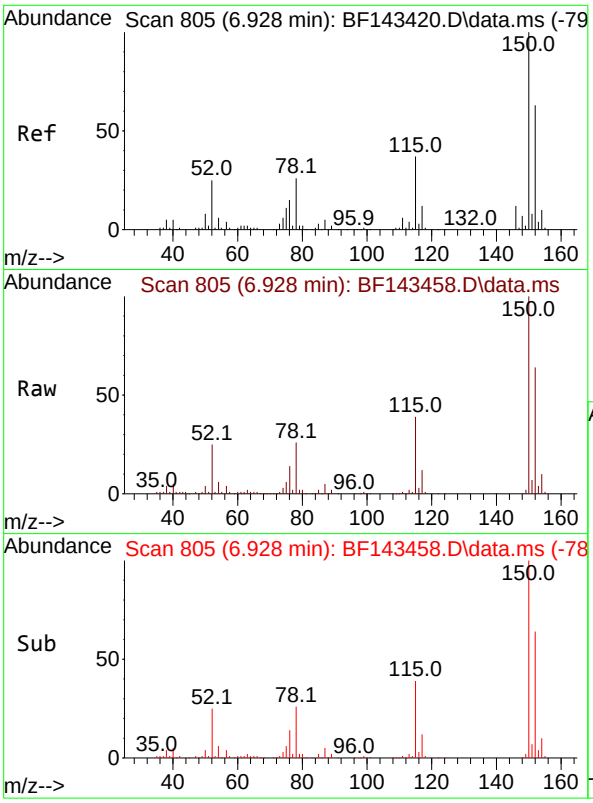
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143458.D
Acq On : 19 Aug 2025 15:55
Operator : RC/JU
Sample : Q2879-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Quant Time: Aug 19 16:23:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration



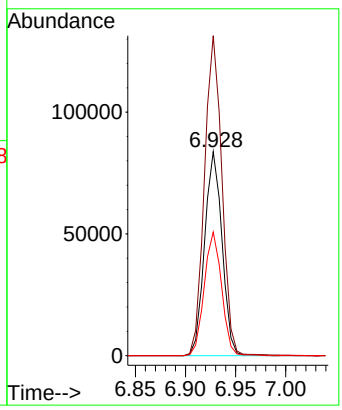


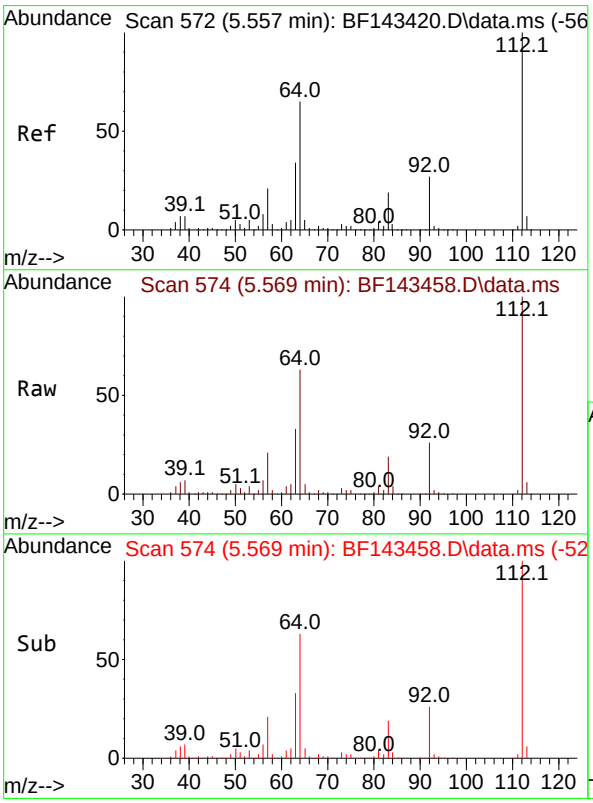
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Tgt Ion:152 Resp: 101637

Ion	Ratio	Lower	Upper
152	100		
150	156.8	127.4	191.2
115	60.6	47.5	71.3

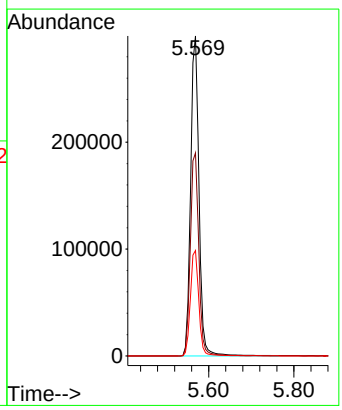


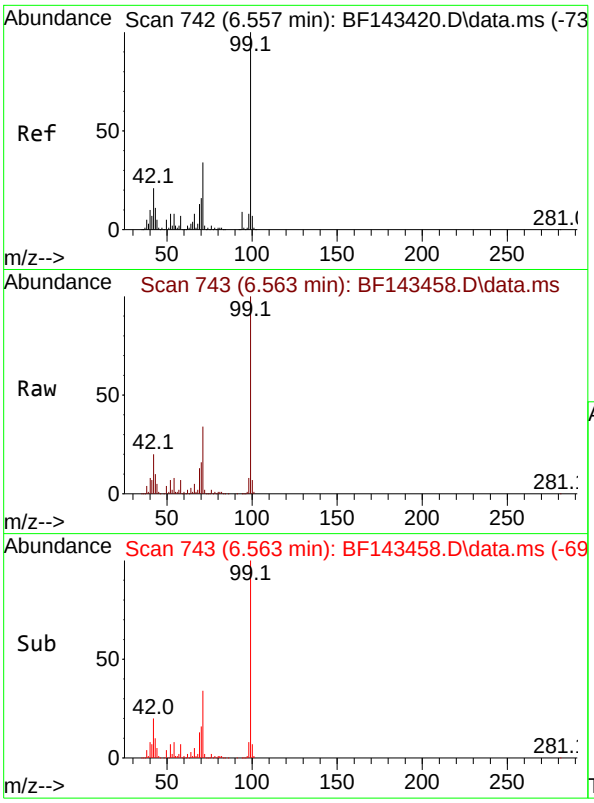


#5
2-Fluorophenol
Concen: 69.649 ng
RT: 5.569 min Scan# 574
Delta R.T. 0.012 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:112 Resp: 407224

Ion	Ratio	Lower	Upper
112	100		
64	63.5	52.2	78.2
63	32.9	27.0	40.6



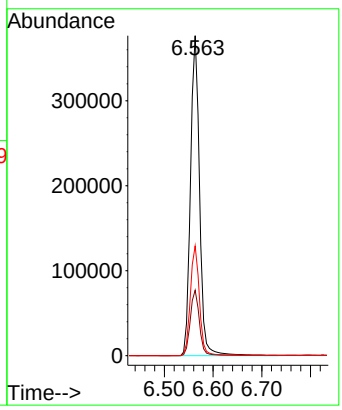


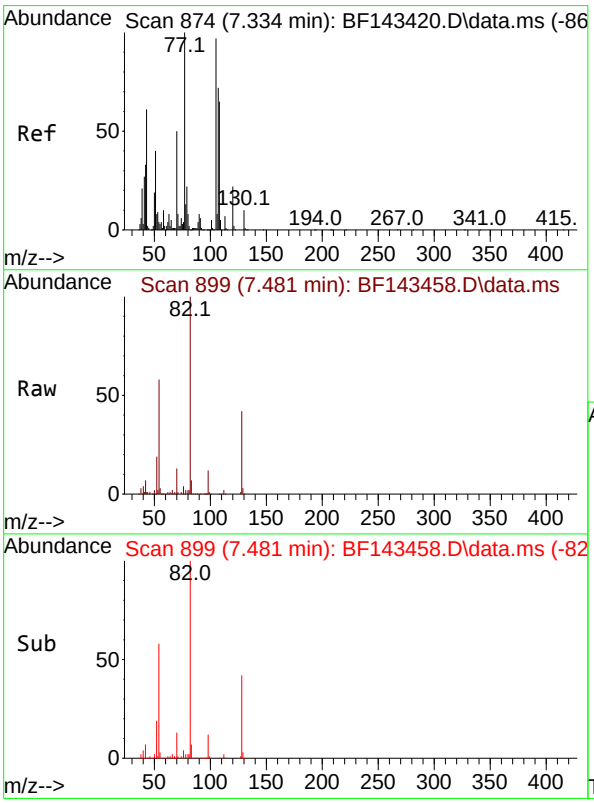
#7
Phenol-d6
Concen: 66.500 ng
RT: 6.563 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Tgt Ion: 99 Resp: 489994

Ion	Ratio	Lower	Upper
99	100		
42	20.4	17.0	25.6
71	34.3	27.4	41.2

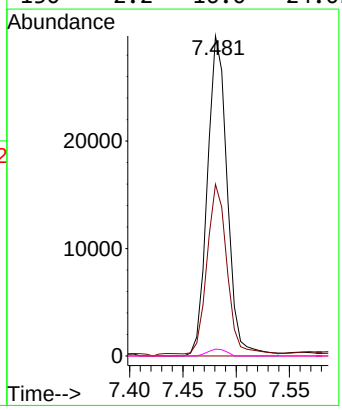


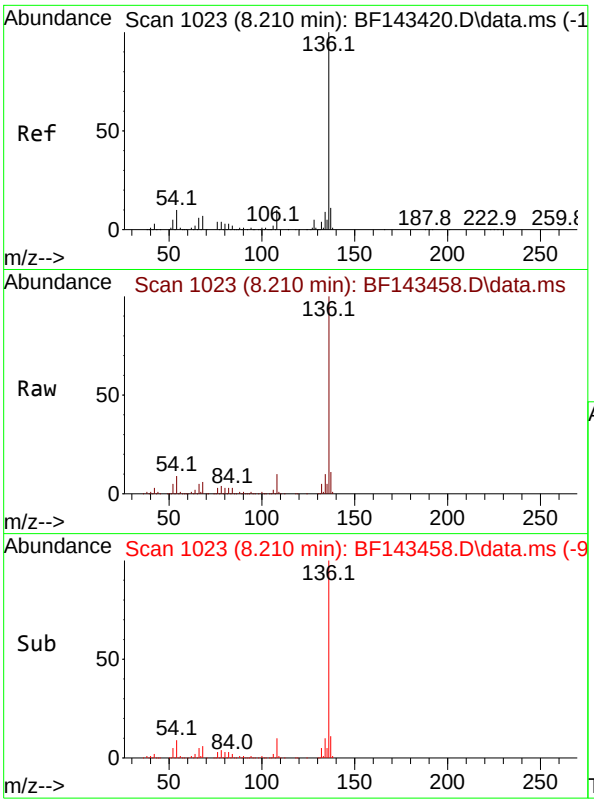


#19
n-Nitroso-di-n-propylamine
Concen: 8.483 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.147 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion: 70 Resp: 38696

Ion	Ratio	Lower	Upper
70	100		
42	53.6	52.5	78.7
101	0.0	7.9	11.9#
130	2.2	16.0	24.0#



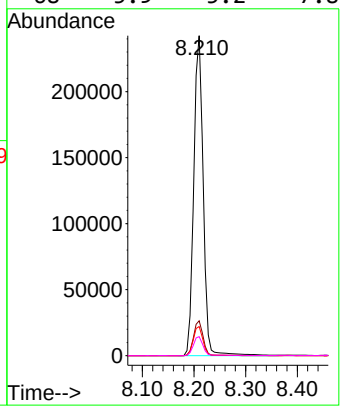


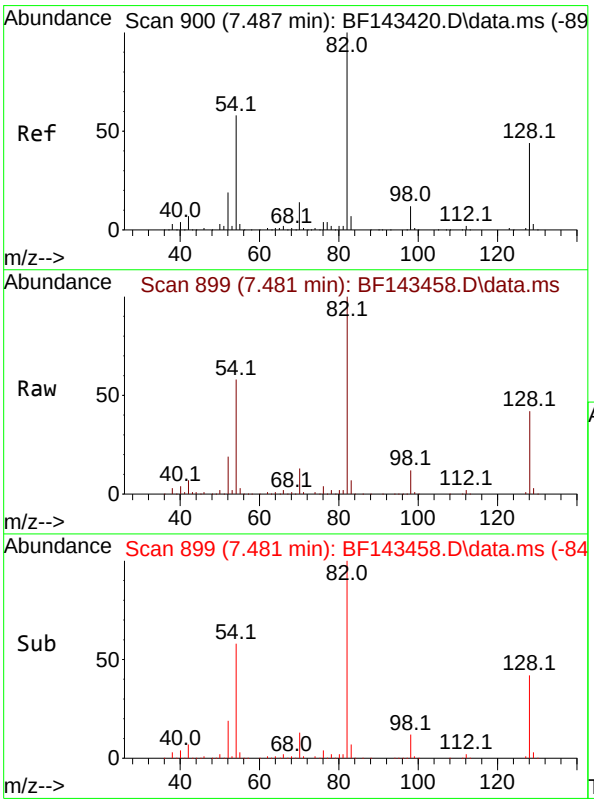
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Tgt Ion:136 Resp: 308767

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	9.1	7.8	11.8
68	5.9	5.2	7.8

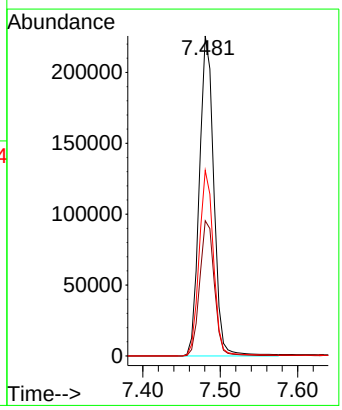


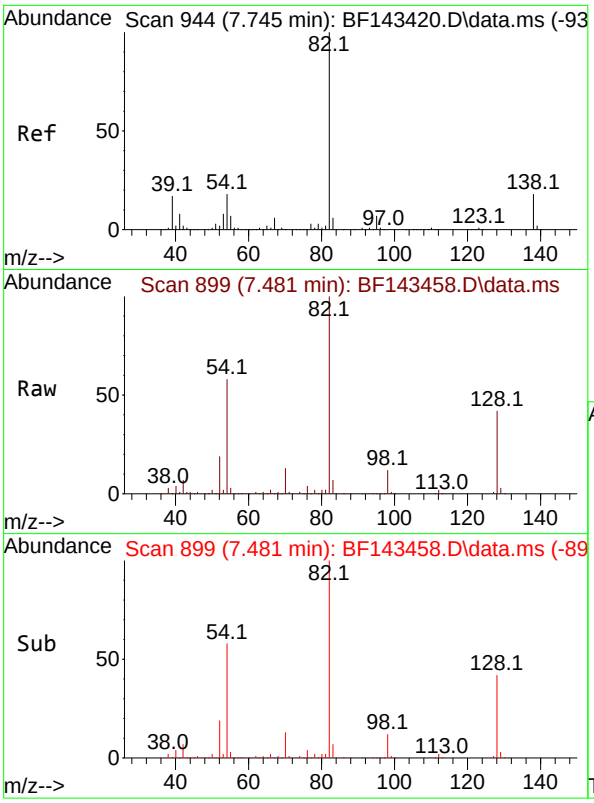


#23
Nitrobenzene-d5
Concen: 56.186 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion: 82 Resp: 292361

Ion	Ratio	Lower	Upper
82	100		
128	42.3	34.6	52.0
54	58.0	46.0	69.0



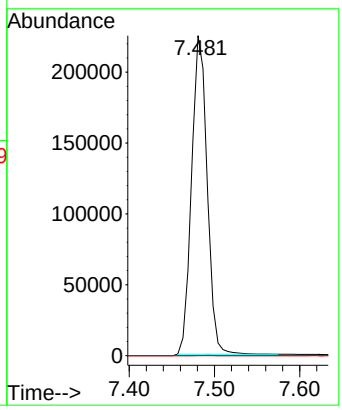


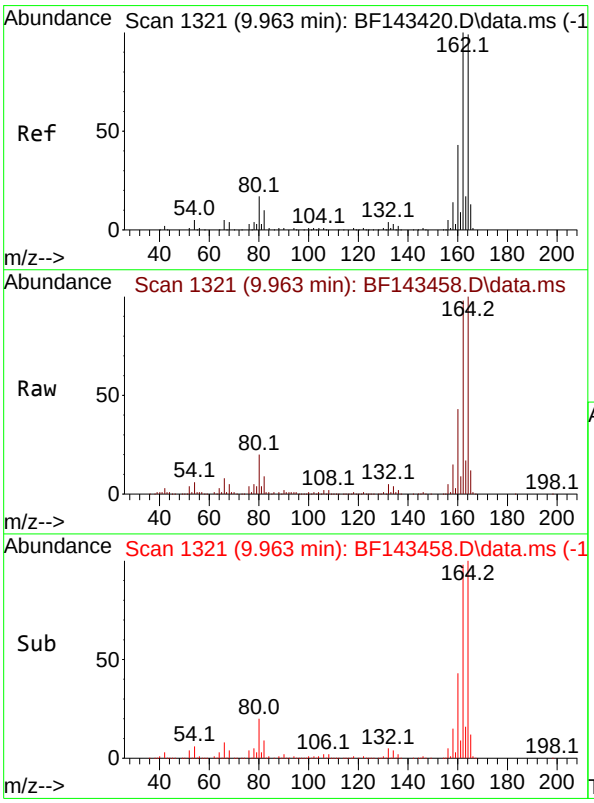
#25
Isophorone
Concen: 28.601 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.265 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Tgt Ion: 82 Resp: 284841

Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.6	8.4#
138	0.0	14.3	21.5#

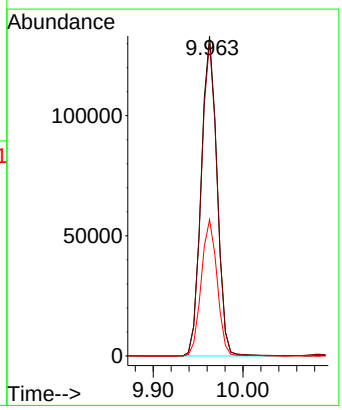


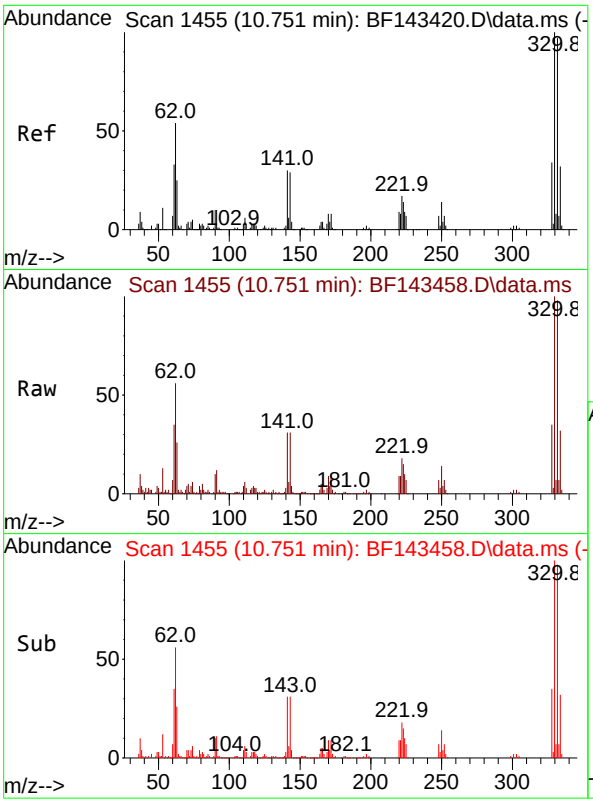


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:164 Resp: 162569

Ion	Ratio	Lower	Upper
164	100		
162	98.2	80.6	121.0
160	42.6	34.6	51.8



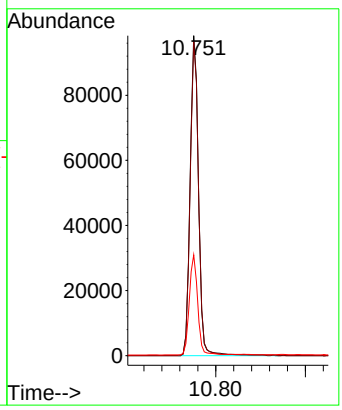


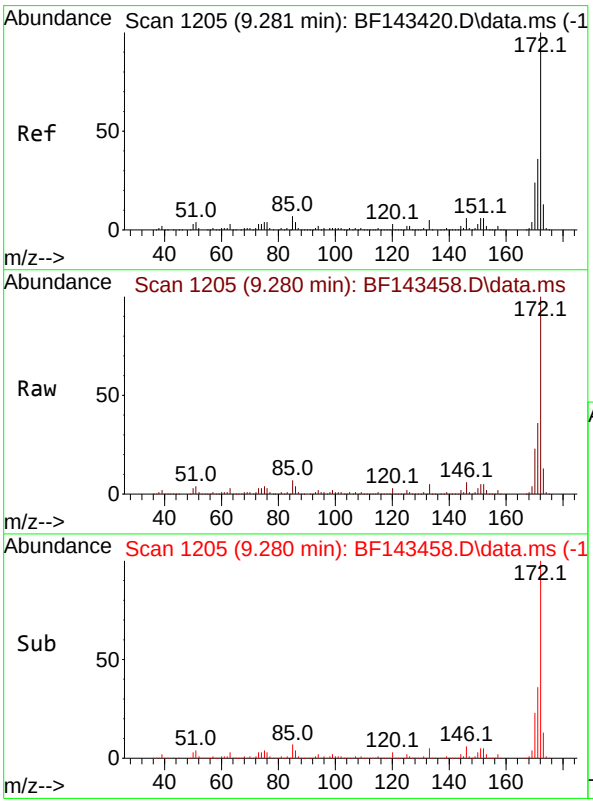
#42
2,4,6-Tribromophenol
Concen: 88.031 ng
RT: 10.751 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Tgt Ion:330 Resp: 127379

Ion	Ratio	Lower	Upper
330	100		
332	98.2	77.4	116.2
141	30.9	24.1	36.1

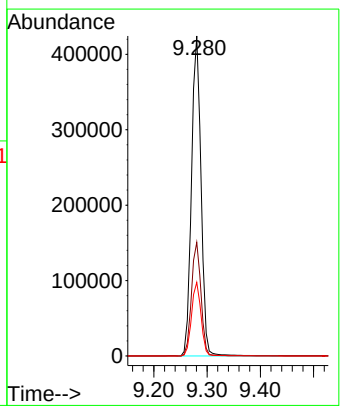


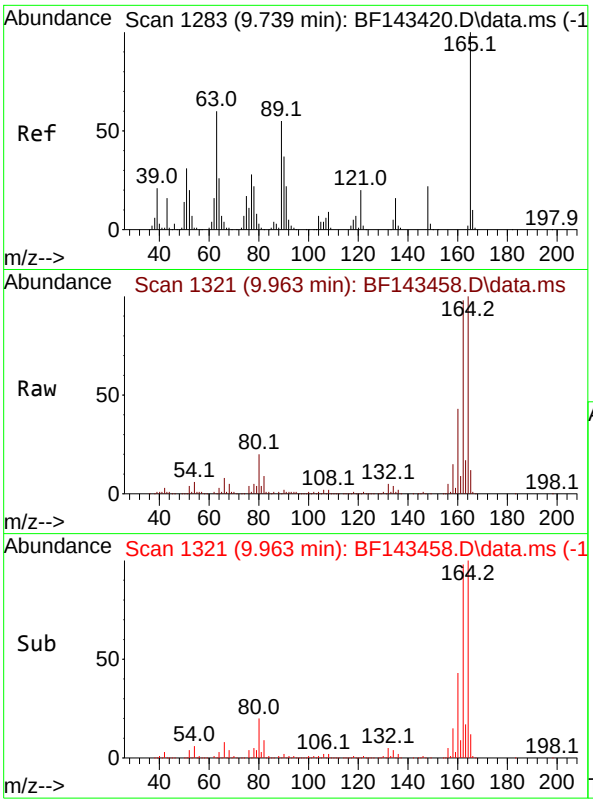


#45
2-Fluorobiphenyl
Concen: 54.727 ng
RT: 9.280 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:172 Resp: 528952

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.7	43.1
170	23.0	19.0	28.6



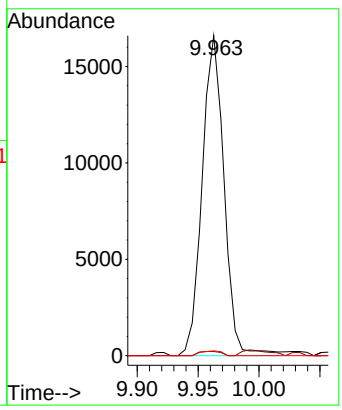


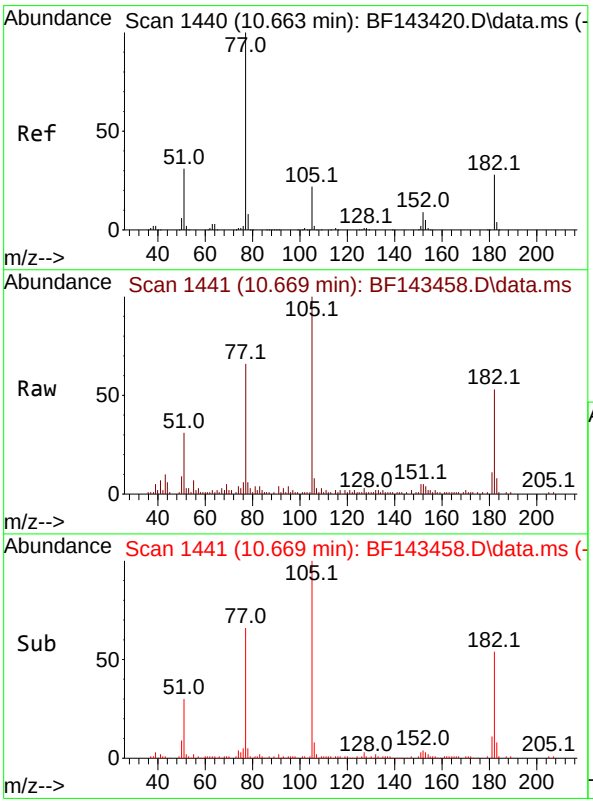
#51
2,6-Dinitrotoluene
Concen: 10.405 ng
RT: 9.963 min Scan# 1
Delta R.T. 0.223 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Tgt Ion:165 Resp: 20790

Ion	Ratio	Lower	Upper
165	100		
63	1.3	48.2	72.2#
89	1.5	44.2	66.2#

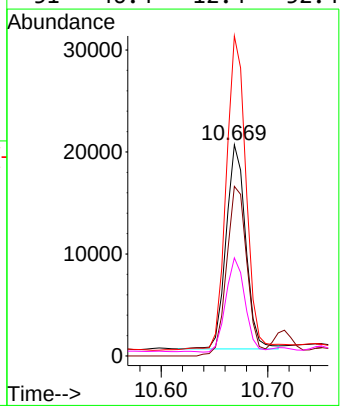


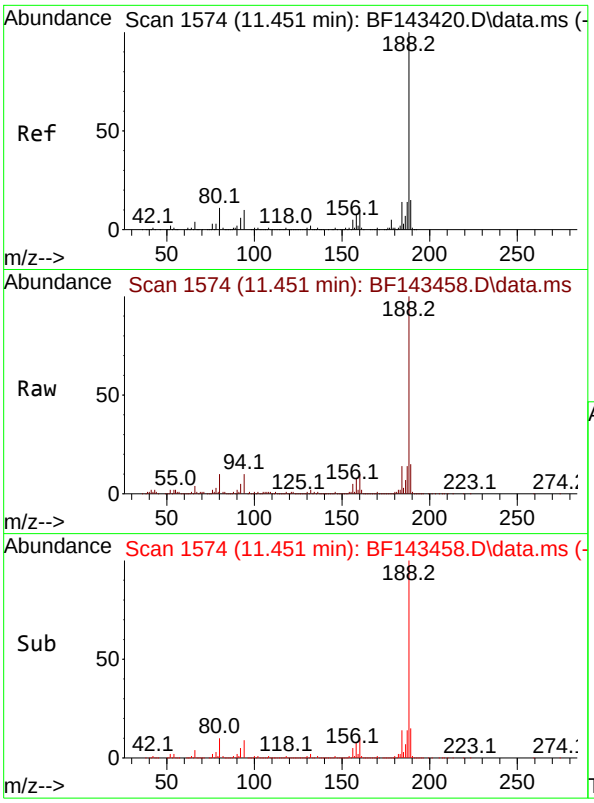


#63
Azobenzene
Concen: 2.697 ng
RT: 10.669 min Scan# 1441
Delta R.T. 0.006 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion: 77 Resp: 25533

Ion	Ratio	Lower	Upper
77	100		
182	80.3	7.4	47.4#
105	151.5	1.7	41.7#
51	46.4	12.4	52.4



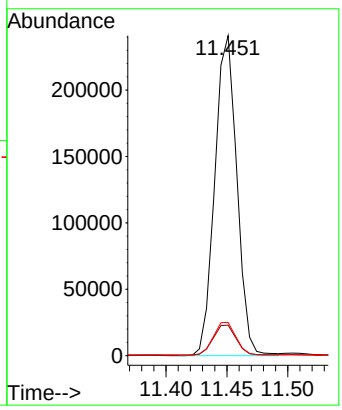


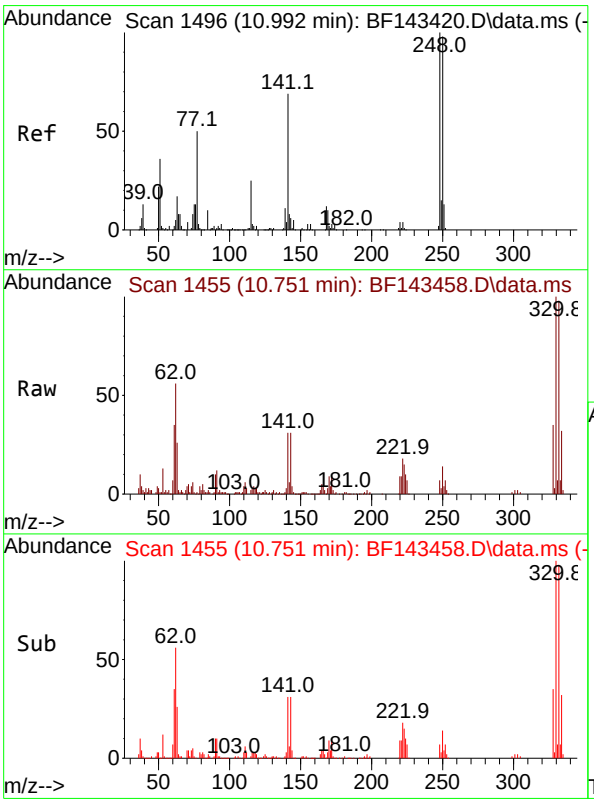
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Tgt Ion:188 Resp: 305125

Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.0	12.0
80	10.4	8.6	12.8

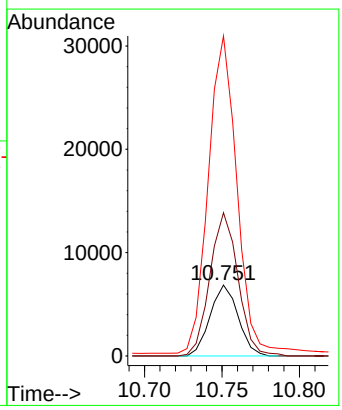


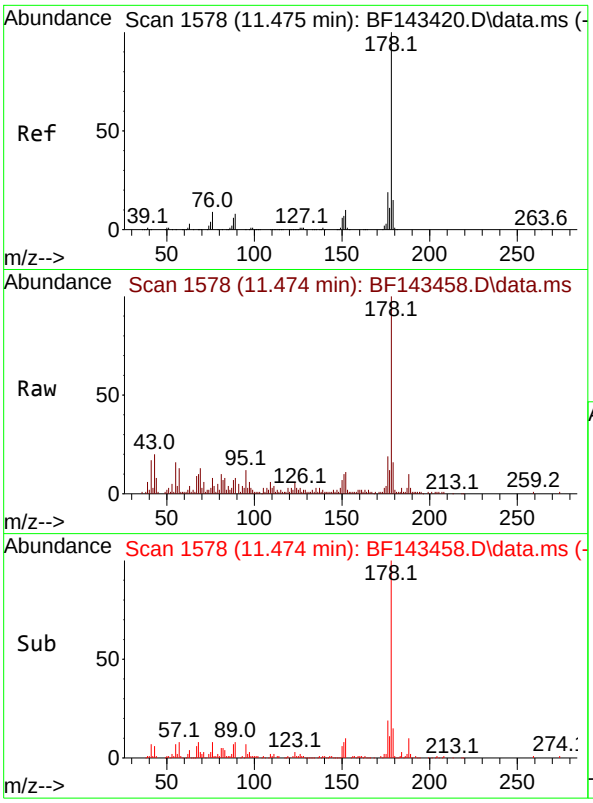


#67
4-Bromophenyl-phenylether
Concen: 2.398 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.241 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:248 Resp: 8641

Ion	Ratio	Lower	Upper
248	100		
250	201.8	78.6	118.0#
141	451.1	54.9	82.3#



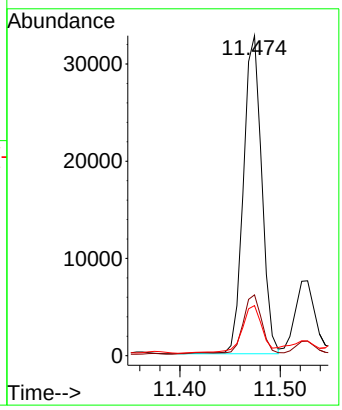


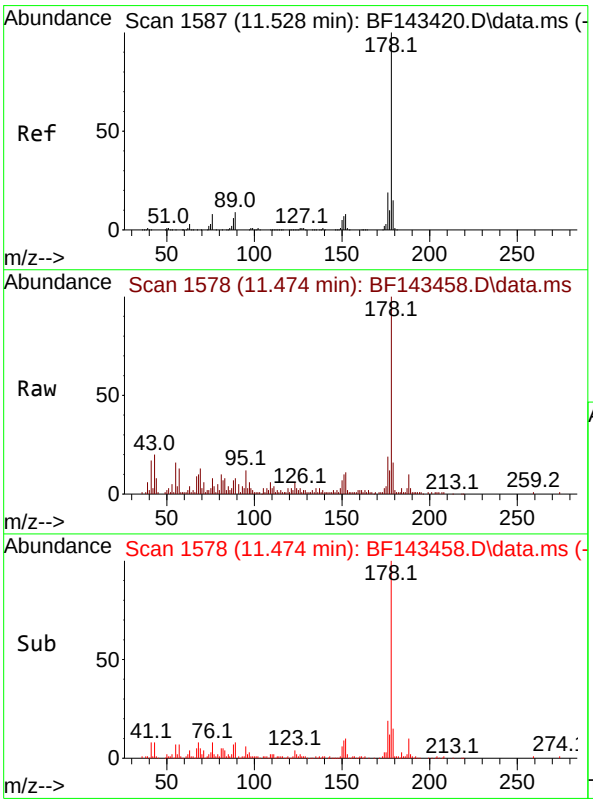
#71
Phenanthrene
Concen: 2.506 ng
RT: 11.474 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Tgt Ion:178 Resp: 41412

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.6	12.3	18.5

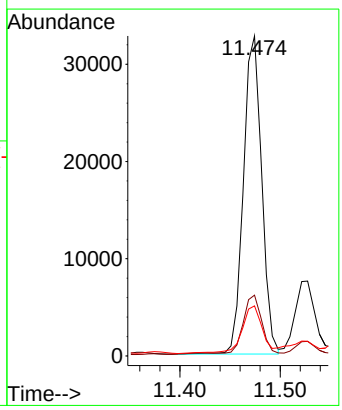


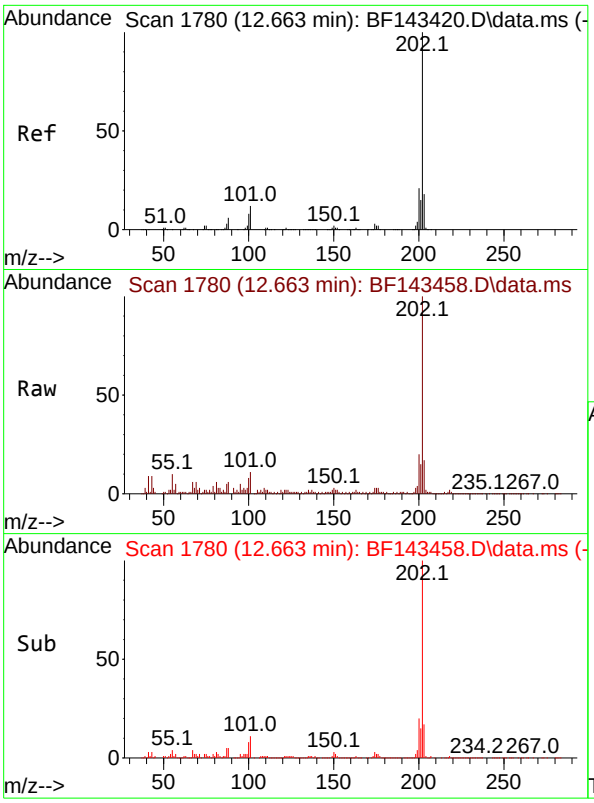


#72
Anthracene
Concen: 2.481 ng
RT: 11.474 min Scan# 1578
Delta R.T. -0.053 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:178 Resp: 41412

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.8	22.2
179	15.6	12.2	18.4



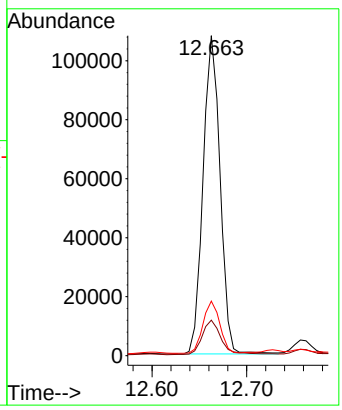


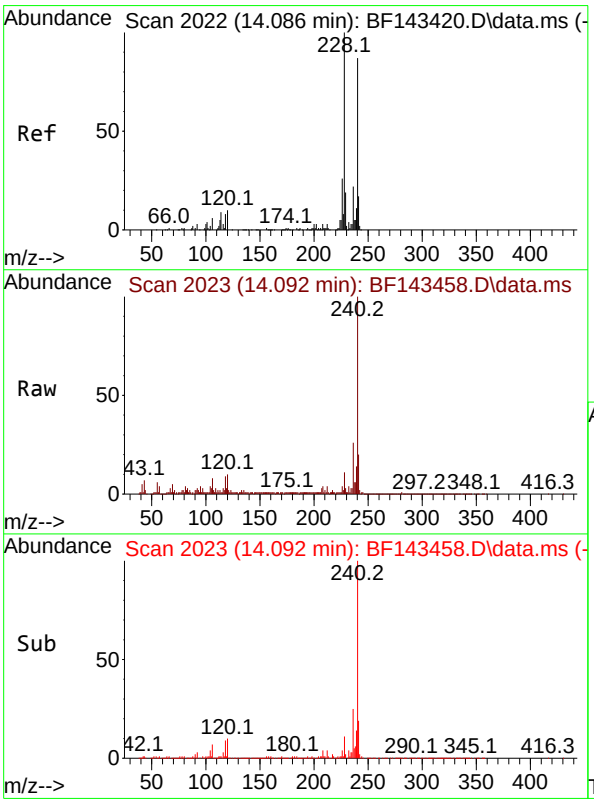
#75
Fluoranthene
Concen: 9.183 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Tgt Ion:202 Resp: 134815

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.5
203	17.0	0.0	37.5

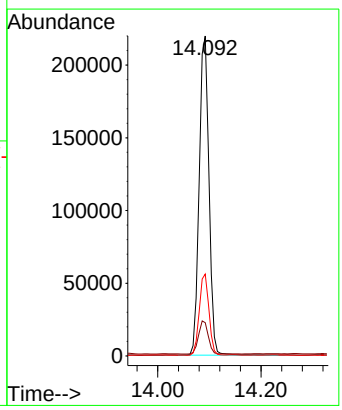


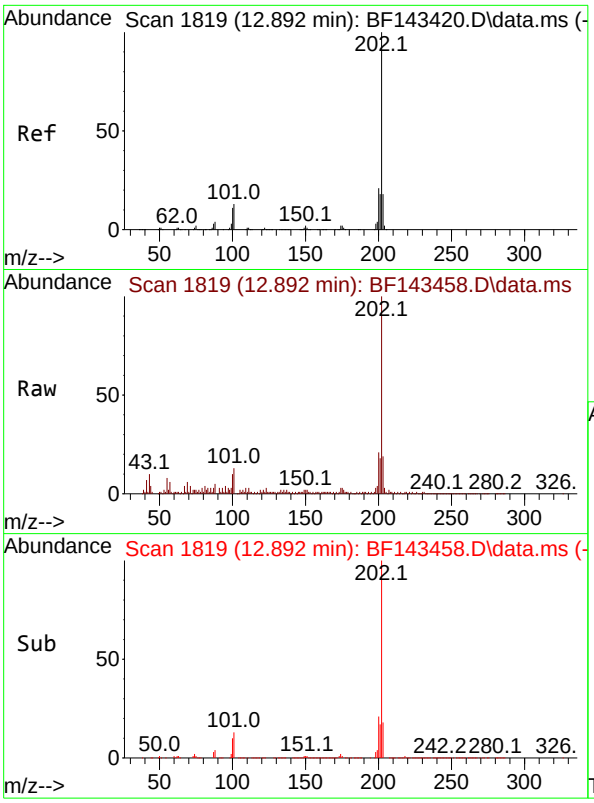


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. 0.006 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:240 Resp: 286997

Ion	Ratio	Lower	Upper
240	100		
120	10.4	9.0	13.4
236	25.6	20.2	30.2



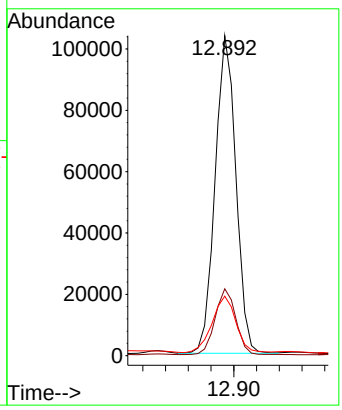


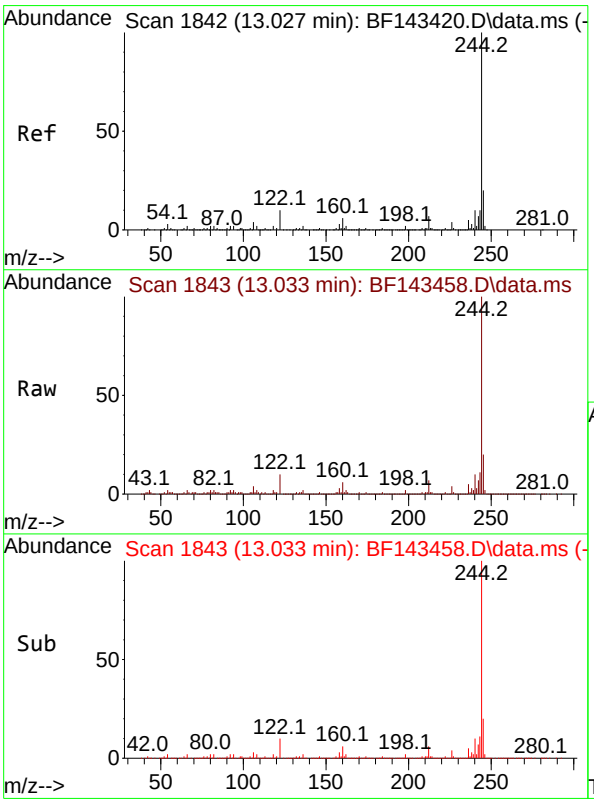
#78
Pyrene
Concen: 5.277 ng
RT: 12.892 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Tgt Ion:202 Resp: 131647

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.1	25.7
203	18.6	14.2	21.2

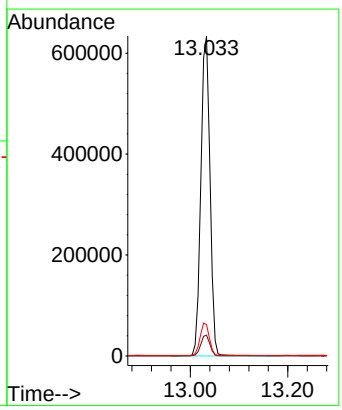


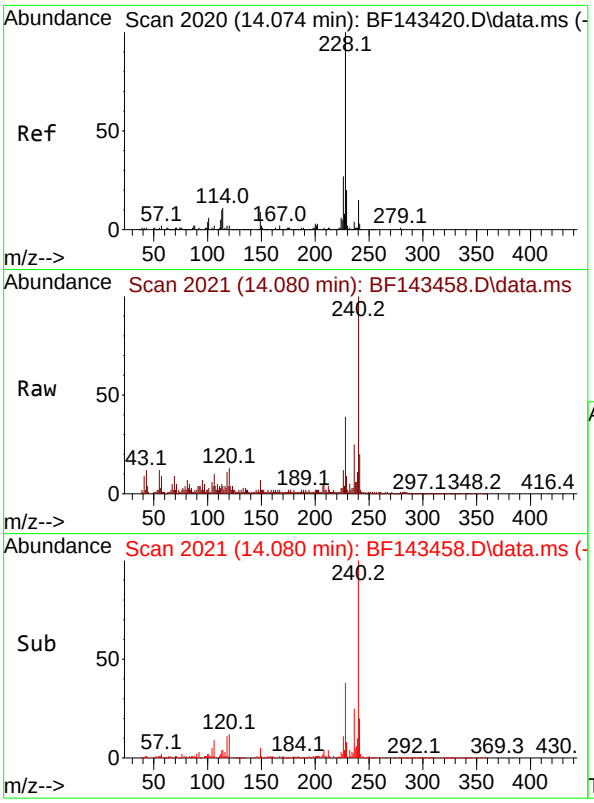


#79
Terphenyl-d14
Concen: 48.204 ng
RT: 13.033 min Scan# 1843
Delta R.T. 0.006 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:244 Resp: 823554

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	9.8	8.3	12.5



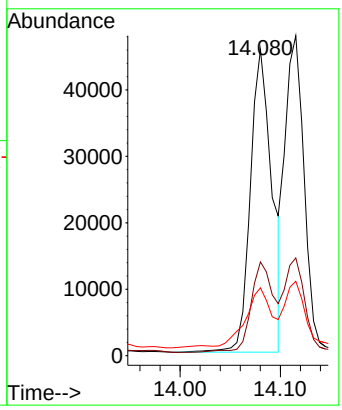


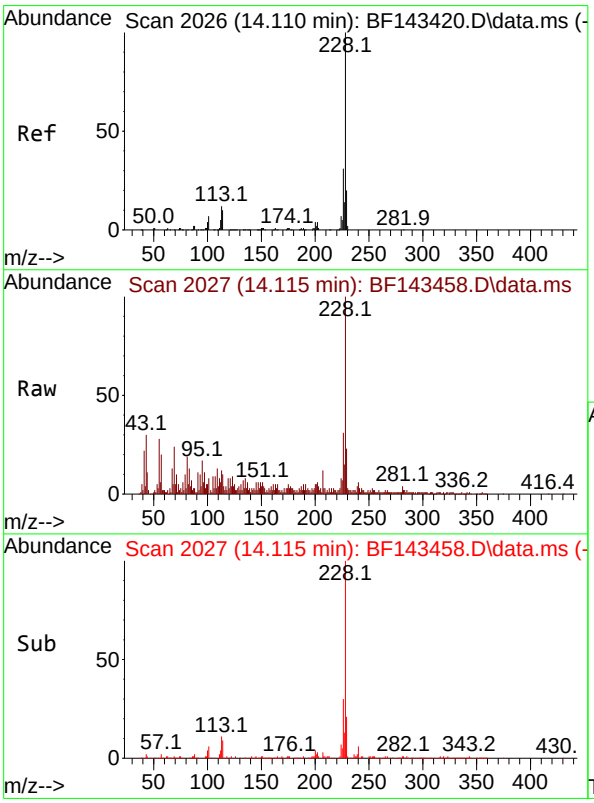
#81
Benzo(a)anthracene
Concen: 3.723 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Tgt Ion:228 Resp: 68028

Ion	Ratio	Lower	Upper
228	100		
226	30.6	21.5	32.3
229	22.2	15.7	23.5

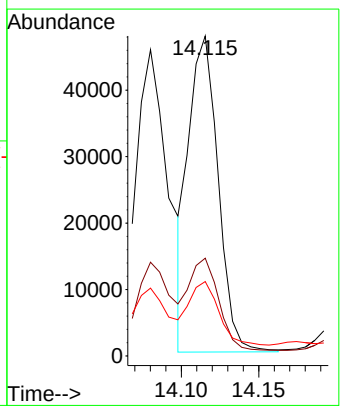


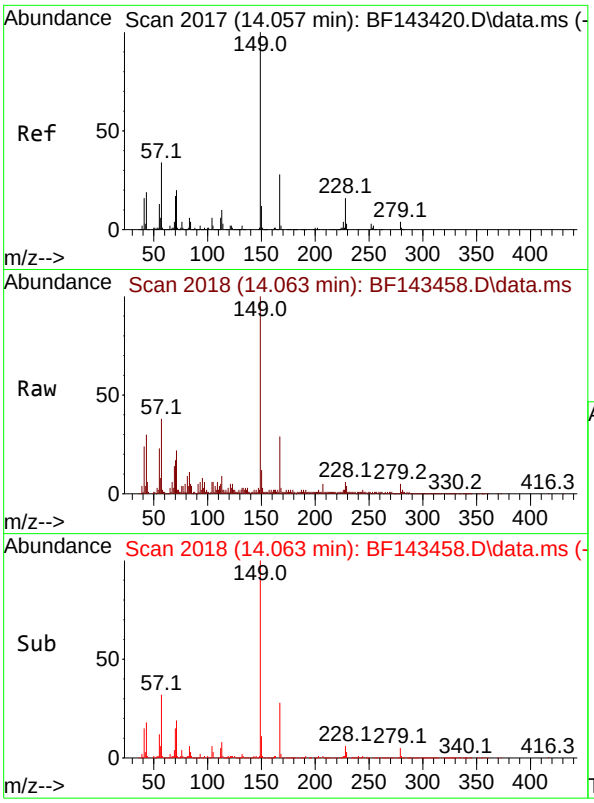


#83
Chrysene
Concen: 3.734 ng
RT: 14.115 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:228 Resp: 63079

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.3	36.5
229	23.2	16.1	24.1



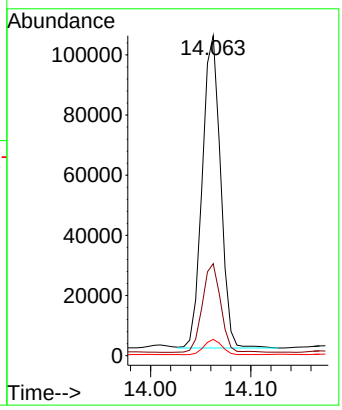


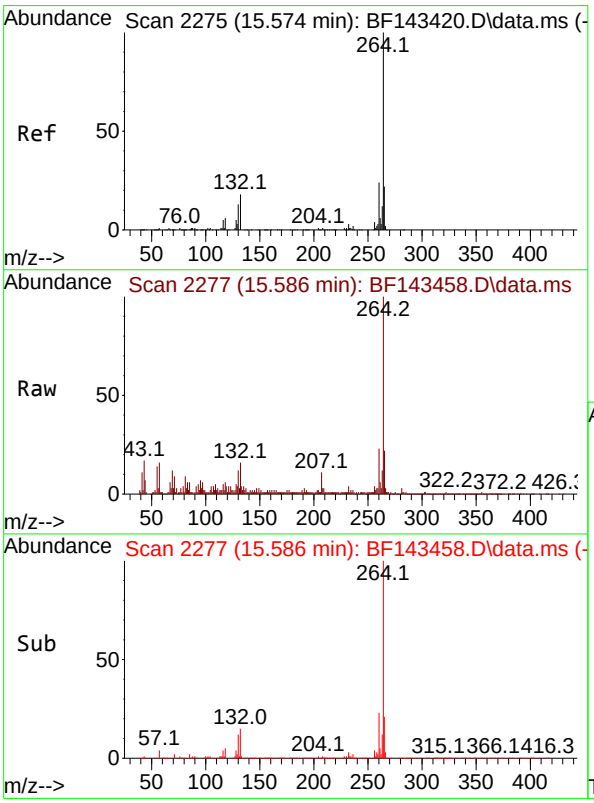
#84
Bis(2-ethylhexyl)phthalate
Concen: 15.036 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Tgt Ion:149 Resp: 131938

Ion	Ratio	Lower	Upper
149	100		
167	28.8	22.6	33.8
279	5.1	3.5	5.3

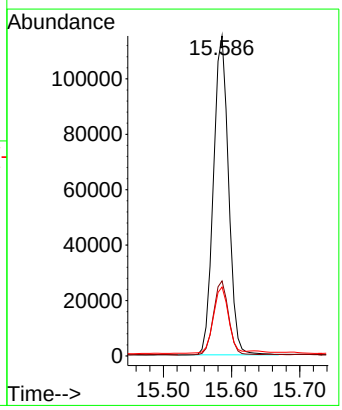


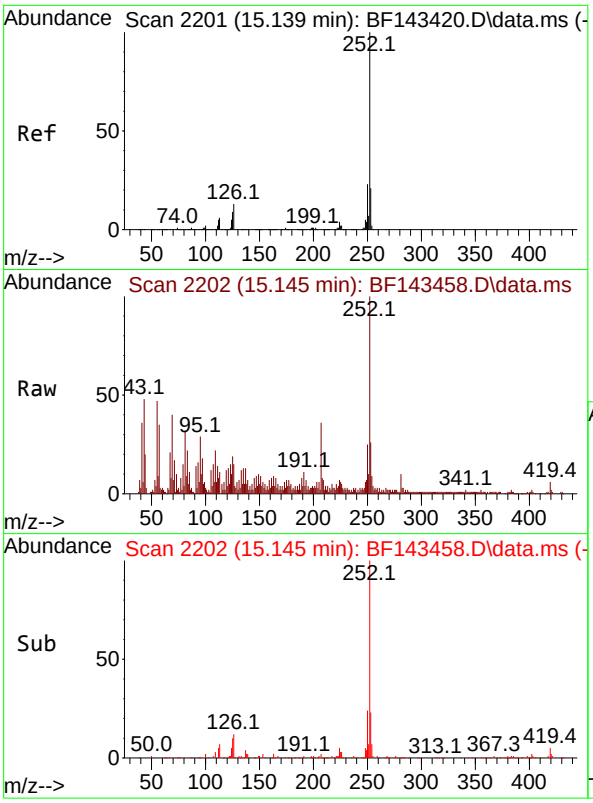


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.586 min Scan# 2277
Delta R.T. 0.012 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:264 Resp: 177608

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.8	28.2
265	21.6	17.4	26.0



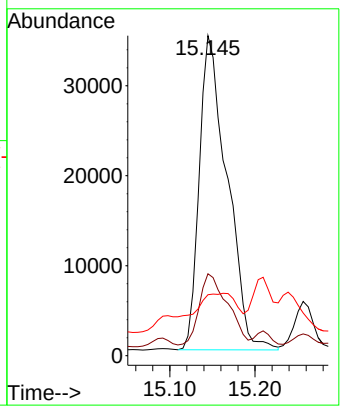


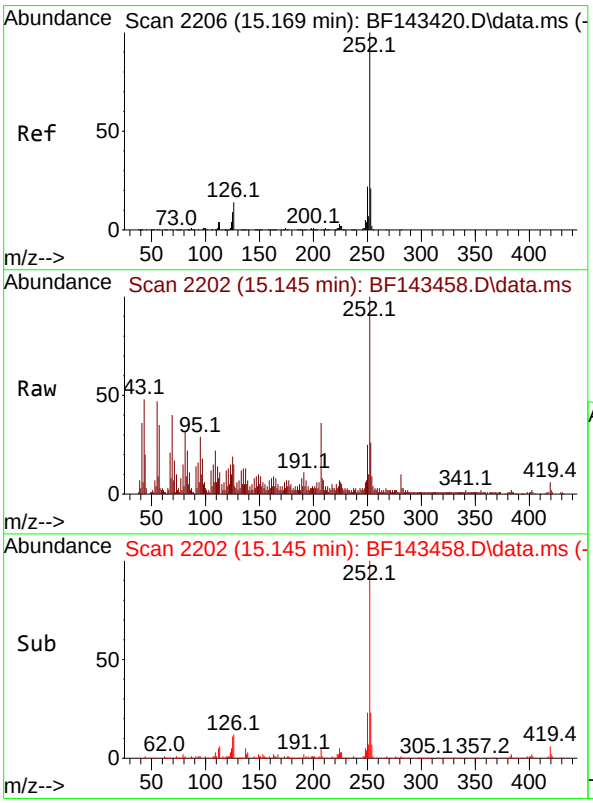
#88
Benzo(b)fluoranthene
Concen: 8.320 ng
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Tgt Ion:252 Resp: 79200

Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.1	25.7
125	19.0	7.5	11.3#

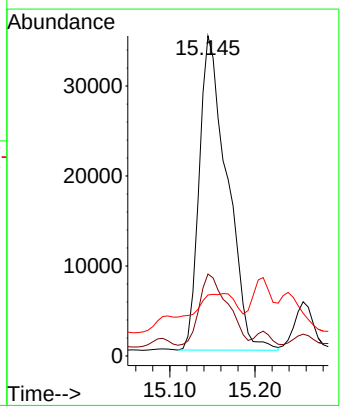


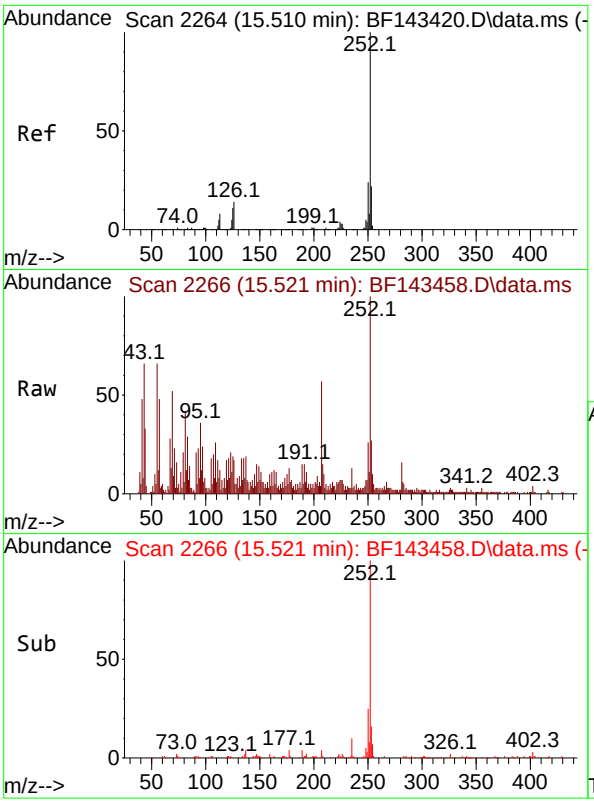


#89
Benzo(k)fluoranthene
Concen: 8.436 ng
RT: 15.145 min Scan# 2202
Delta R.T. -0.024 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:252 Resp: 79200

Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.2	25.8
125	19.0	7.4	11.2#



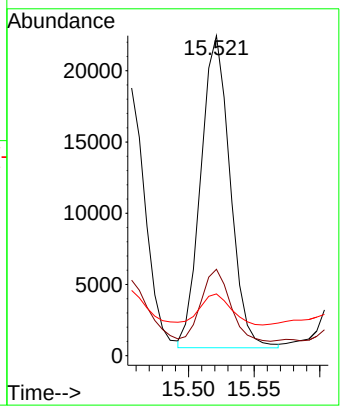


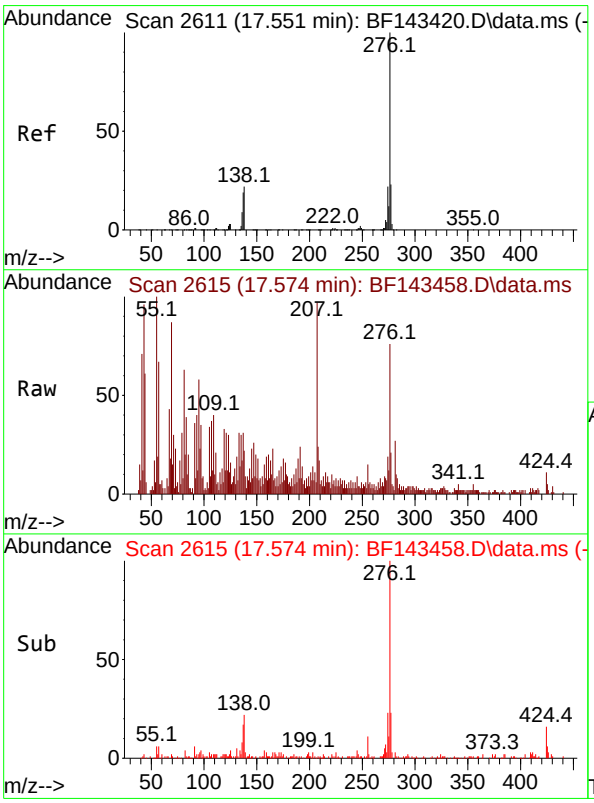
#90
Benzo(a)pyrene
Concen: 3.749 ng
RT: 15.521 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Tgt Ion:252 Resp: 33994

Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.4	26.2#
125	19.3	8.6	12.8#

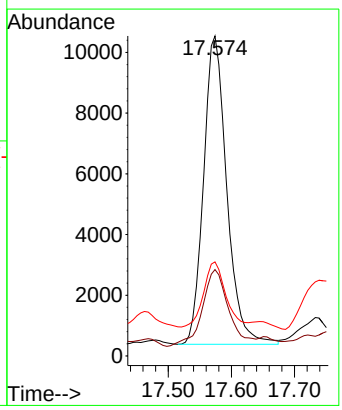




#92
Benzo(g,h,i)perylene
Concen: 2.429 ng
RT: 17.574 min Scan# 2615
Delta R.T. 0.023 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:276 Resp: 25950

Ion	Ratio	Lower	Upper
276	100		
277	27.0	18.7	28.1
138	29.4	17.5	26.3#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143459.D
Acq On : 19 Aug 2025 16:24
Operator : RC/JU
Sample : Q2879-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Quant Time: Aug 19 16:43:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

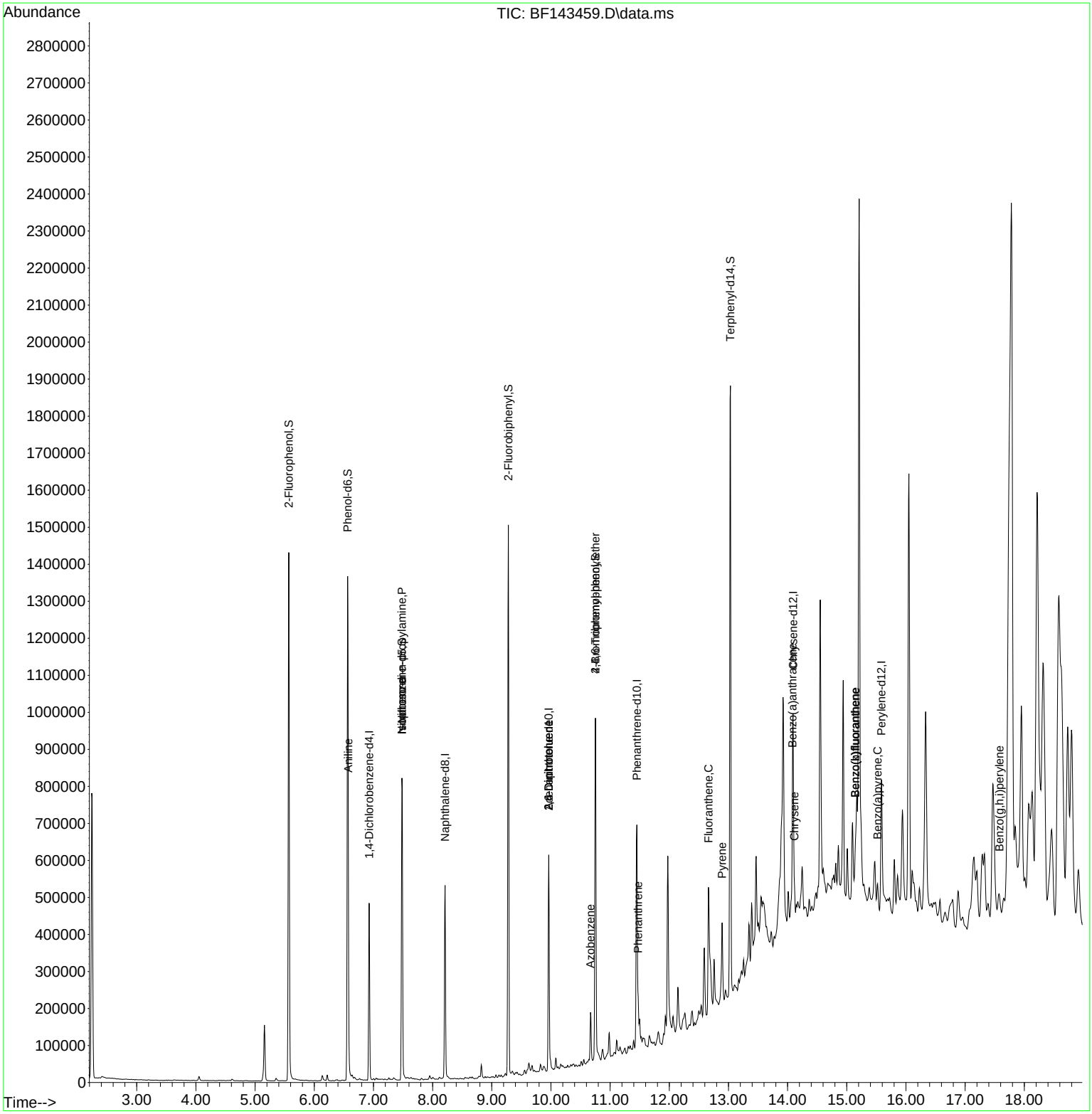
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	97604	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	324465	20.000	ng		0.00
39) Acenaphthene-d10	9.963	164	169368	20.000	ng		0.00
64) Phenanthrene-d10	11.451	188	306262	20.000	ng		0.00
76) Chrysene-d12	14.092	240	251302	20.000	ng		0.00
86) Perylene-d12	15.586	264	171573	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.569	112	518248	92.300	ng		0.01
7) Phenol-d6	6.563	99	602112	85.092	ng		0.00
23) Nitrobenzene-d5	7.481	82	354131	64.764	ng		0.00
42) 2,4,6-Tribromophenol	10.751	330	156037	103.507	ng		0.00
45) 2-Fluorobiphenyl	9.280	172	636012	63.162	ng		0.00
79) Terphenyl-d14	13.033	244	827593	55.321	ng		0.00
Target Compounds							Qvalue
6) Aniline	6.575	93	27312	2.843	ng		90
19) n-Nitroso-di-n-propyla...	7.481	70	48251	11.015	ng	#	78
25) Isophorone	7.481	82	345409	33.005	ng	#	65
51) 2,6-Dinitrotoluene	9.963	165	21896	10.519	ng	#	24
57) 2,4-Dinitrotoluene	9.963	165	21896	7.890	ng	#	25
63) Azobenzene	10.669	77	32681	3.314	ng	#	1
67) 4-Bromophenyl-phenylether	10.751	248	10397	2.875	ng	#	1
71) Phenanthrene	11.474	178	50404	3.039	ng		99
75) Fluoranthene	12.663	202	146224	9.923	ng		99
78) Pyrene	12.892	202	124021	5.678	ng		98
81) Benzo(a)anthracene	14.080	228	61995	3.875	ng	#	91
83) Chrysene	14.115	228	58931	3.984	ng		95
88) Benzo(b)fluoranthene	15.145	252	79359	8.630	ng	#	87
89) Benzo(k)fluoranthene	15.145	252	79359	8.750	ng	#	88
90) Benzo(a)pyrene	15.521	252	34862	3.980	ng	#	86
92) Benzo(g,h,i)perylene	17.580	276	24858	2.408	ng	#	87

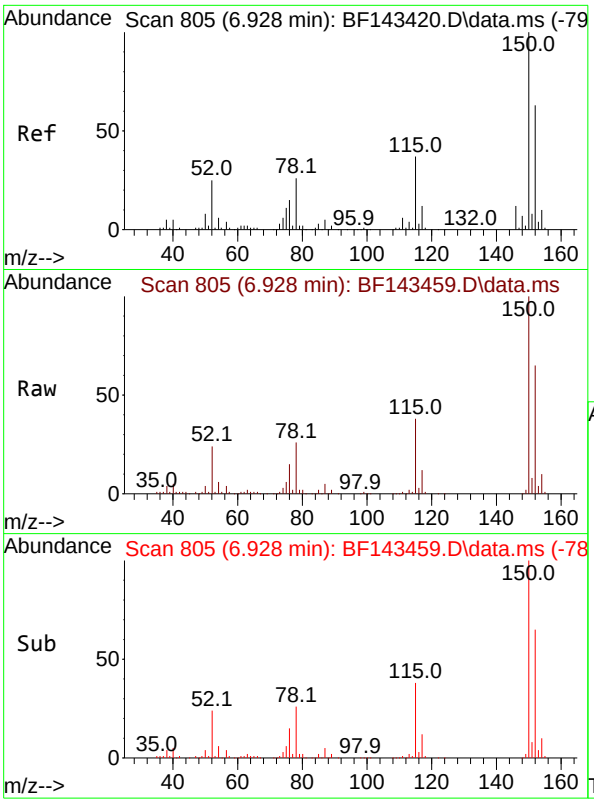
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143459.D
Acq On : 19 Aug 2025 16:24
Operator : RC/JU
Sample : Q2879-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Quant Time: Aug 19 16:43:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration



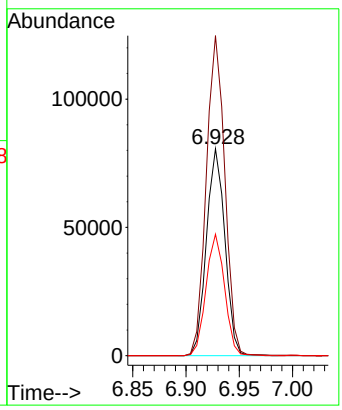


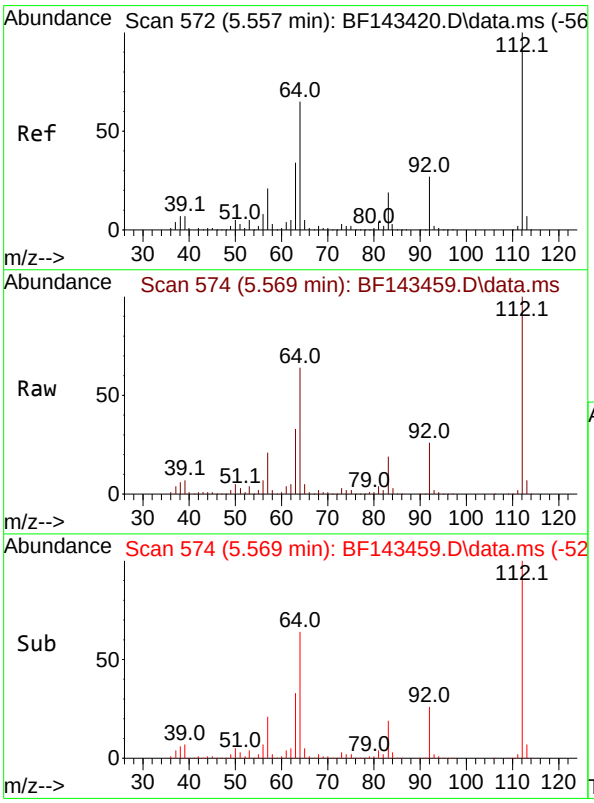
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Tgt Ion:152 Resp: 97604

Ion	Ratio	Lower	Upper
152	100		
150	154.6	127.4	191.2
115	58.7	47.5	71.3

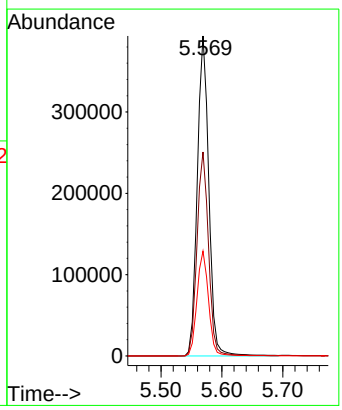


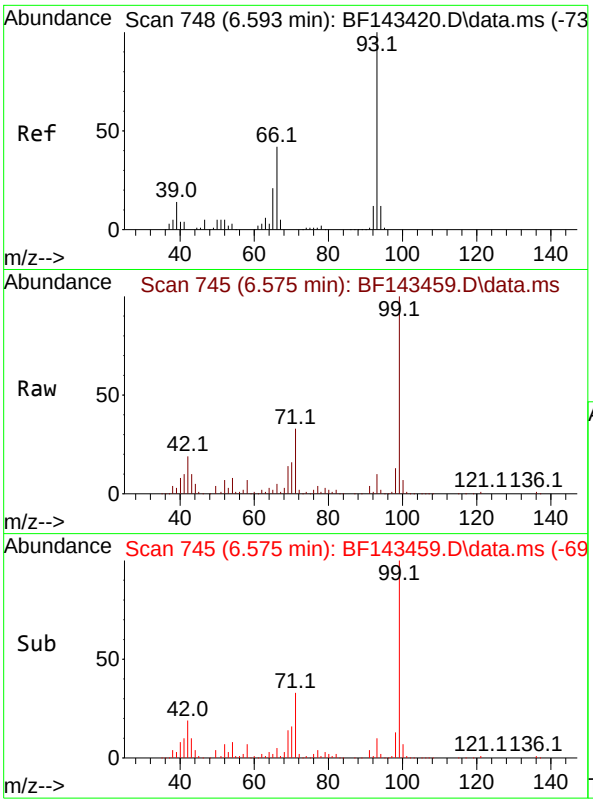


#5
2-Fluorophenol
Concen: 92.300 ng
RT: 5.569 min Scan# 574
Delta R.T. 0.012 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion:112 Resp: 518248

Ion	Ratio	Lower	Upper
112	100		
64	63.8	52.2	78.2
63	32.7	27.0	40.6



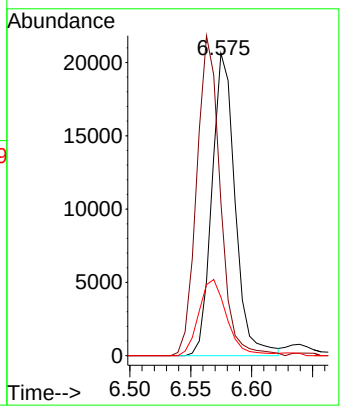


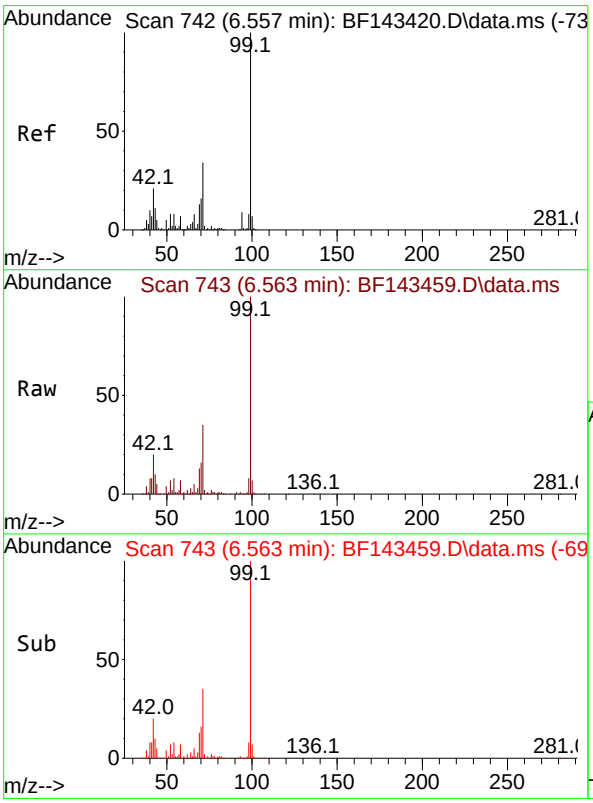
#6
Aniline
Concen: 2.843 ng
RT: 6.575 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Tgt Ion: 93 Resp: 27312

Ion	Ratio	Lower	Upper
93	100		
66	50.7	33.8	50.8
65	19.4	17.2	25.8

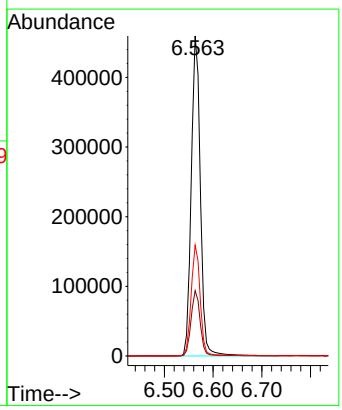


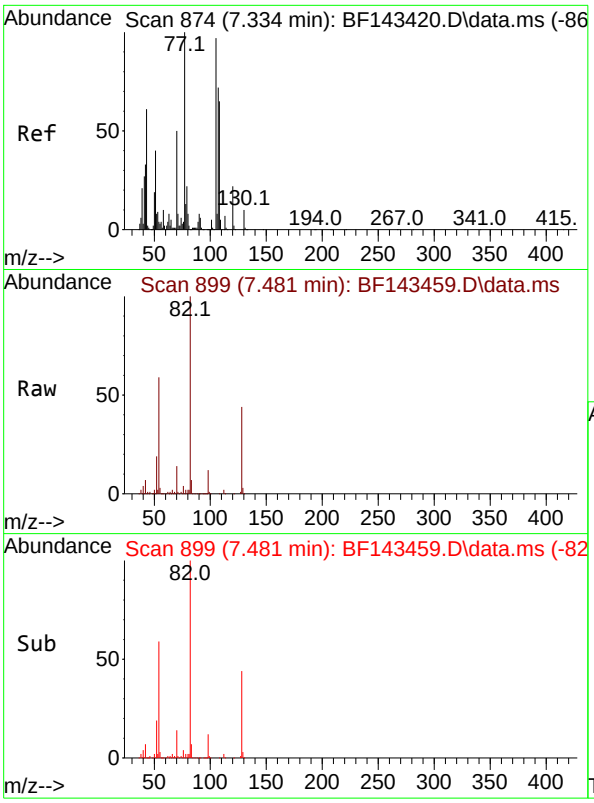


#7
Phenol-d6
Concen: 85.092 ng
RT: 6.563 min Scan# 743
Delta R.T. 0.006 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion: 99 Resp: 602112

Ion	Ratio	Lower	Upper
99	100		
42	20.4	17.0	25.6
71	34.6	27.4	41.2



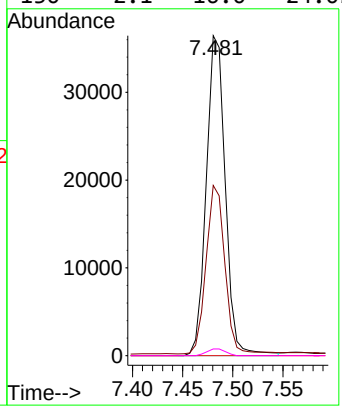


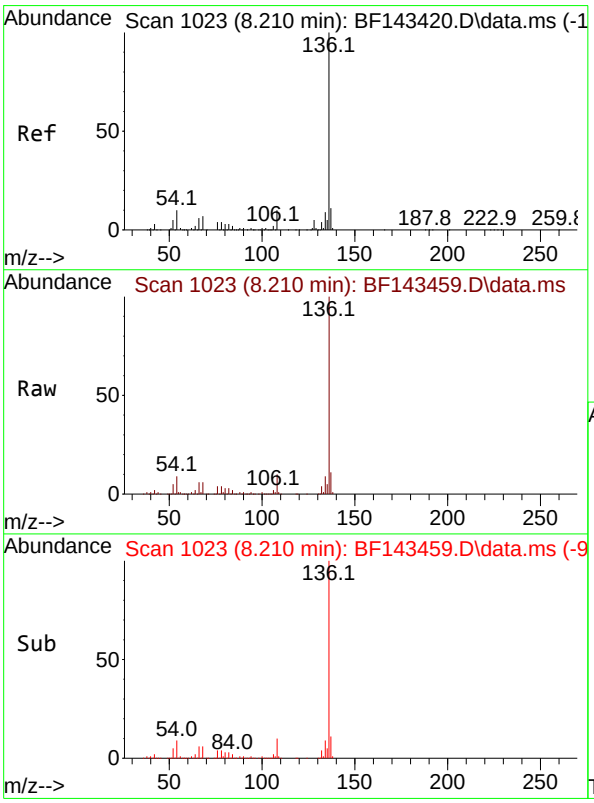
#19
n-Nitroso-di-n-propylamine
Concen: 11.015 ng
RT: 7.481 min Scan# 8
Delta R.T. 0.147 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Tgt Ion: 70 Resp: 48251

Ion	Ratio	Lower	Upper
70	100		
42	53.2	52.5	78.7
101	0.0	7.9	11.9#
130	2.1	16.0	24.0#

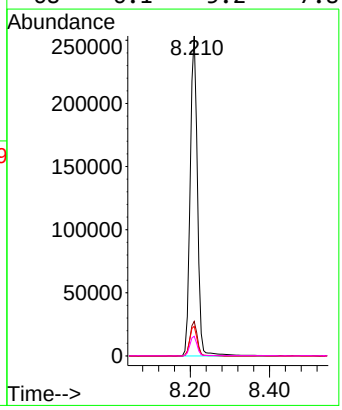


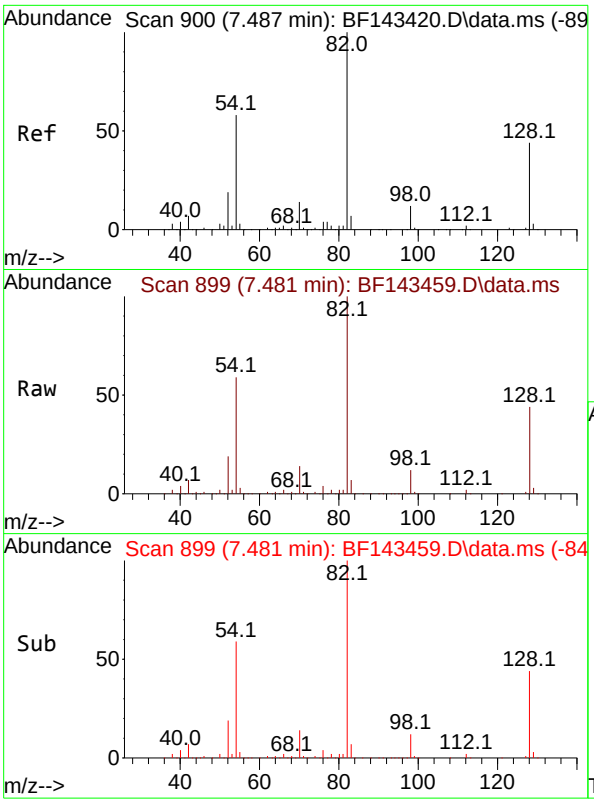


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion:136 Resp: 324465

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	9.3	7.8	11.8
68	6.1	5.2	7.8



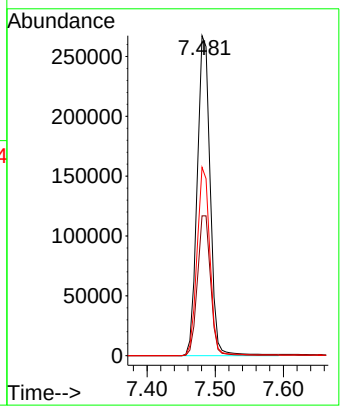


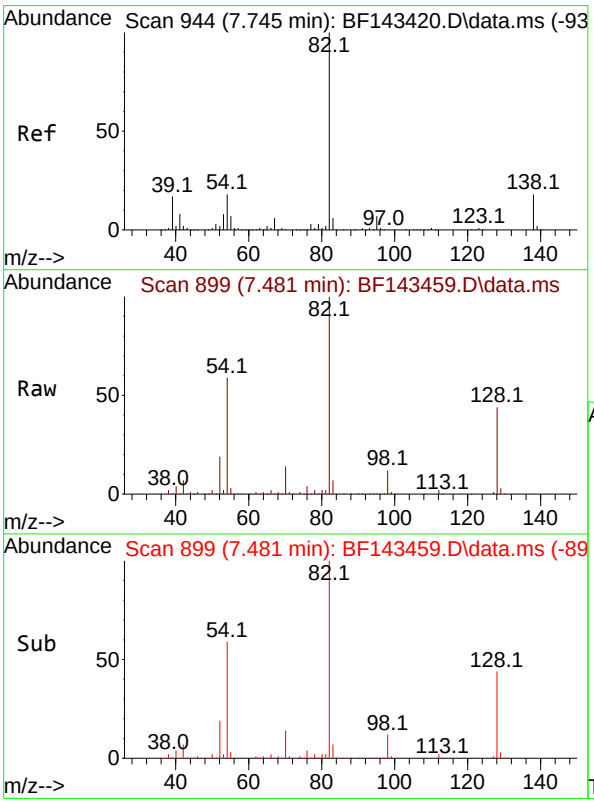
#23
Nitrobenzene-d5
Concen: 64.764 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Tgt Ion: 82 Resp: 354131

Ion	Ratio	Lower	Upper
82	100		
128	43.7	34.6	52.0
54	58.9	46.0	69.0

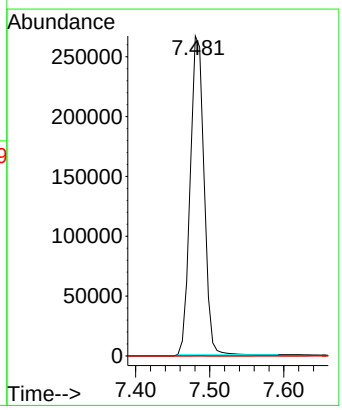


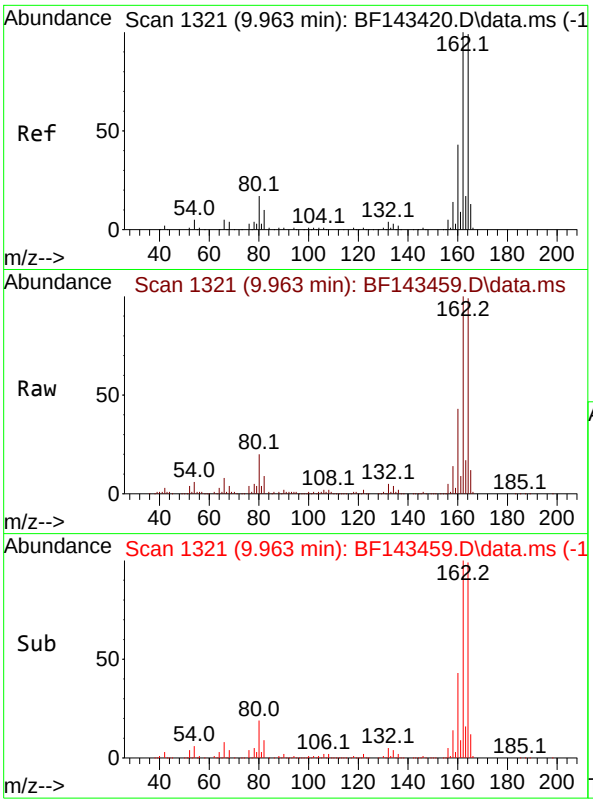


#25
Isophorone
Concen: 33.005 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.265 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion: 82 Resp: 345409

Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.6	8.4#
138	0.0	14.3	21.5#



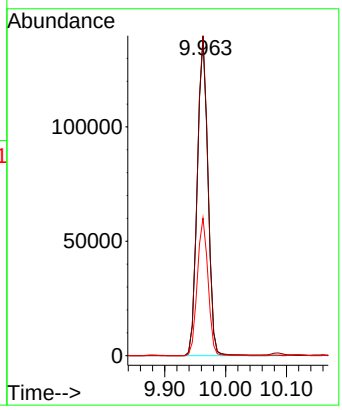


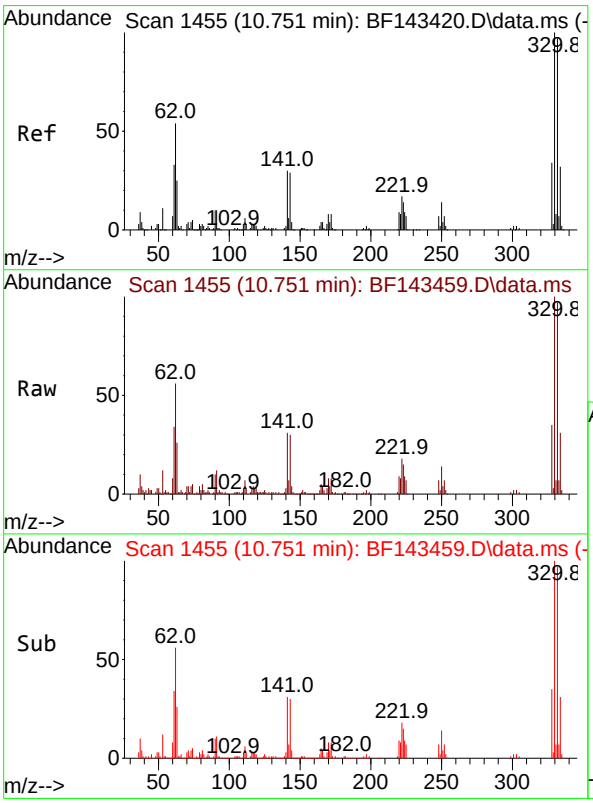
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Tgt Ion:164 Resp: 169368

Ion	Ratio	Lower	Upper
164	100		
162	101.1	80.6	121.0
160	43.5	34.6	51.8

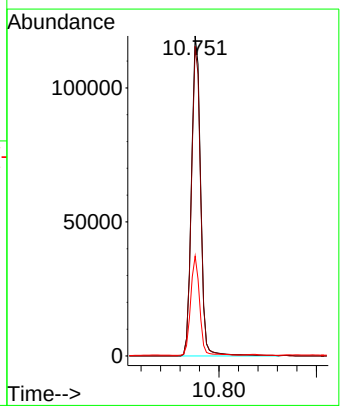


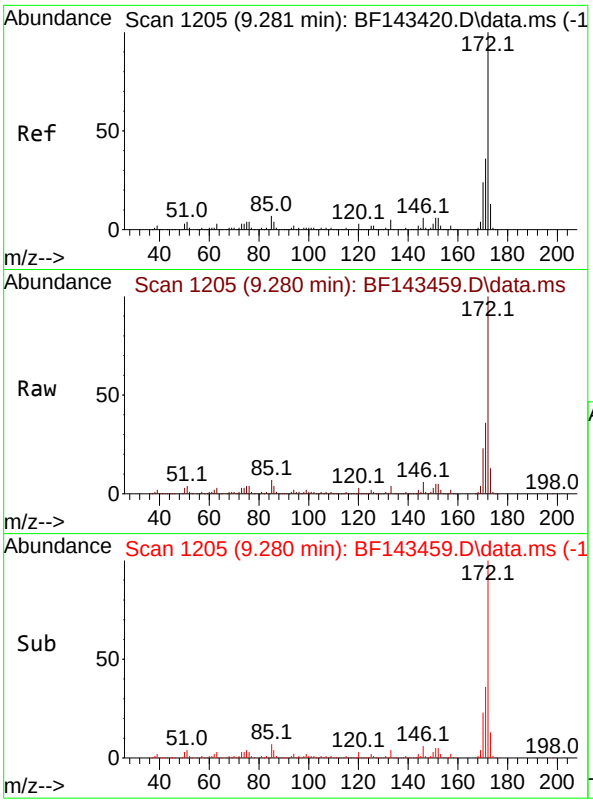


#42
2,4,6-Tribromophenol
Concen: 103.507 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion:330 Resp: 156037

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.4	116.2
141	30.2	24.1	36.1



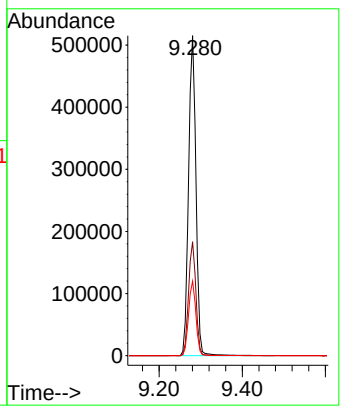


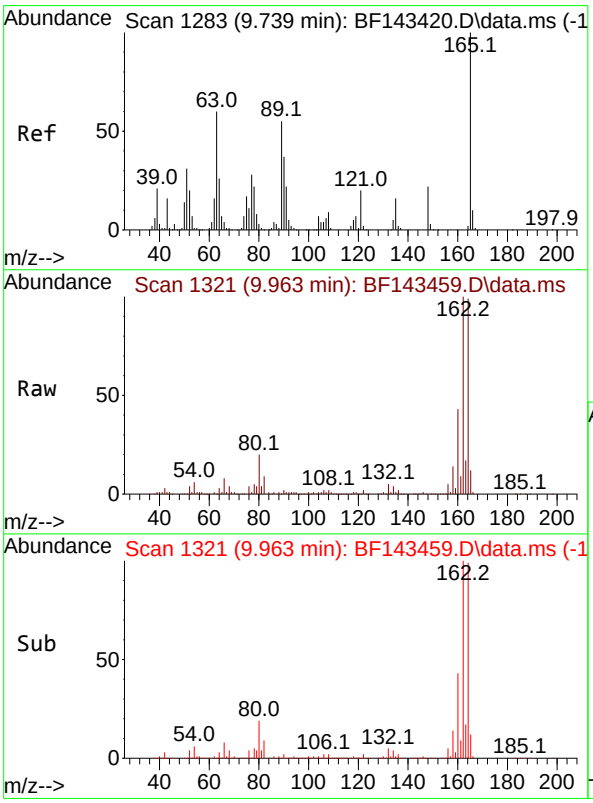
#45
2-Fluorobiphenyl
Concen: 63.162 ng
RT: 9.280 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Tgt Ion:172 Resp: 636012

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.7	43.1
170	23.3	19.0	28.6

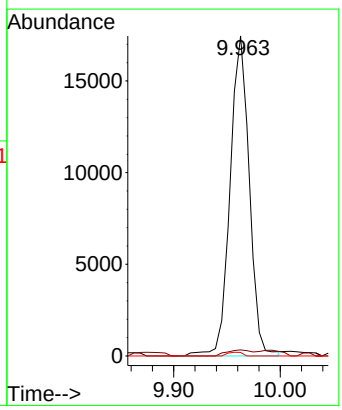


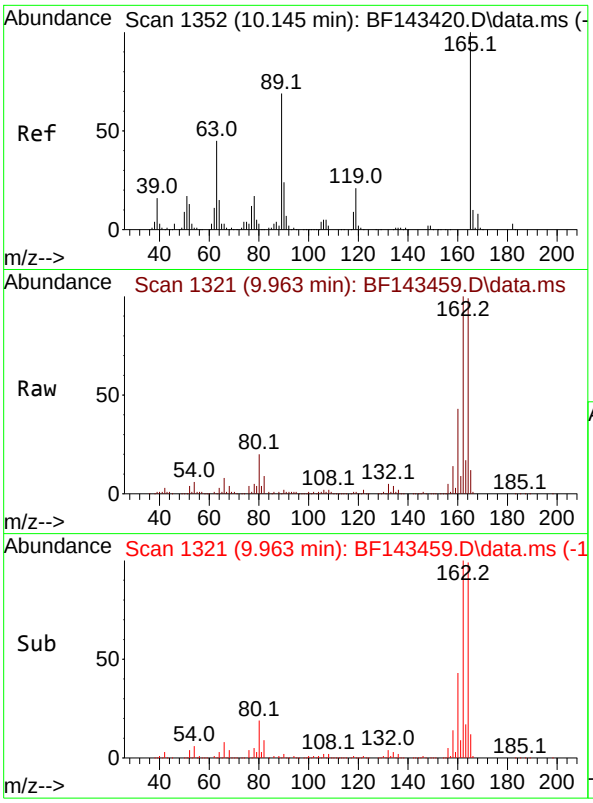


#51
2,6-Dinitrotoluene
Concen: 10.519 ng
RT: 9.963 min Scan# 1321
Delta R.T. 0.223 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion:165 Resp: 21896

Ion	Ratio	Lower	Upper
165	100		
63	1.9	48.2	72.2#
89	1.1	44.2	66.2#



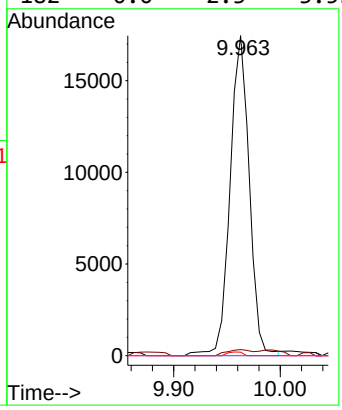


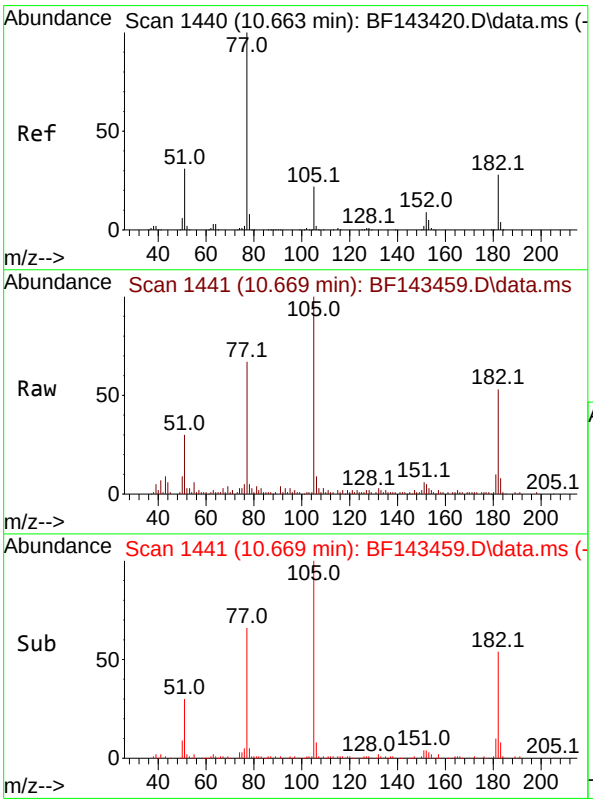
#57
2,4-Dinitrotoluene
Concen: 7.890 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.182 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Tgt Ion:165 Resp: 21896

Ion	Ratio	Lower	Upper
165	100		
63	1.9	37.0	55.6#
89	1.1	55.4	83.0#
182	0.0	2.3	3.5#

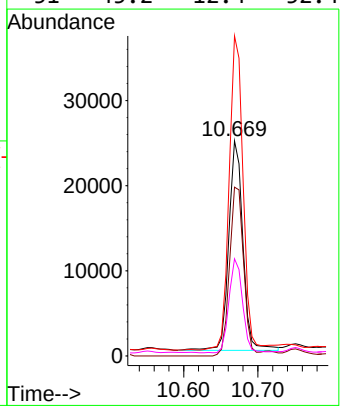


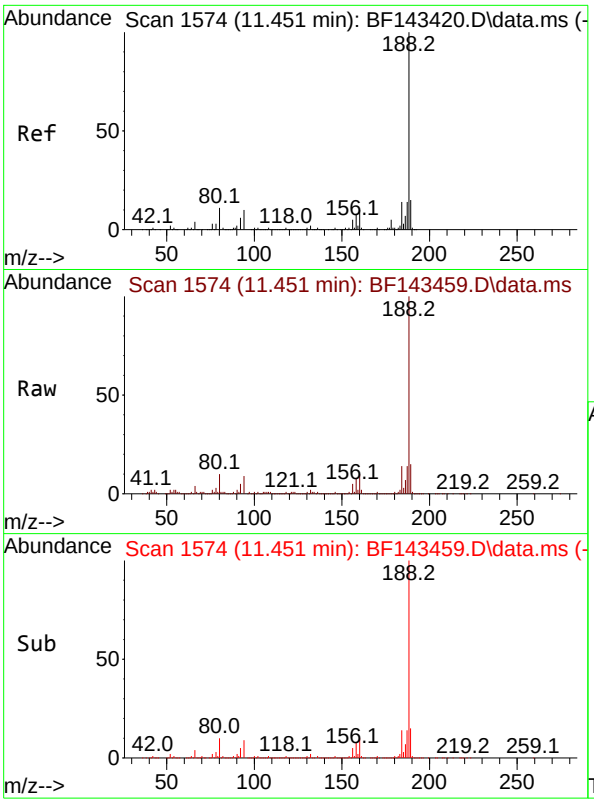


#63
Azobenzene
Concen: 3.314 ng
RT: 10.669 min Scan# 1441
Delta R.T. 0.006 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion: 77 Resp: 32681

Ion	Ratio	Lower	Upper
77	100		
182	78.5	7.4	47.4#
105	148.9	1.7	41.7#
51	45.2	12.4	52.4



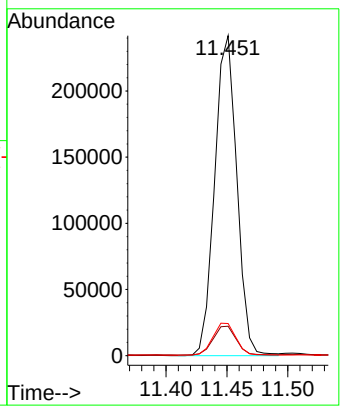


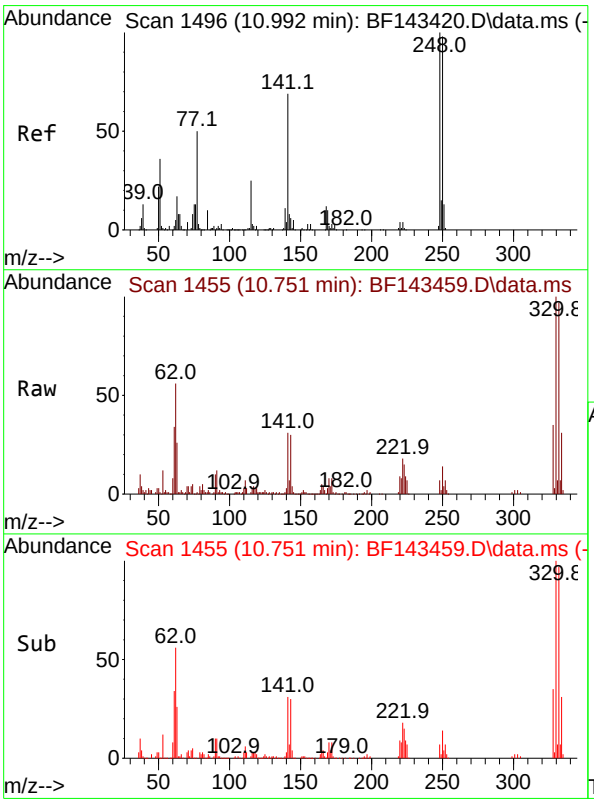
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Tgt Ion:188 Resp: 306262

Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.0	12.0
80	10.1	8.6	12.8

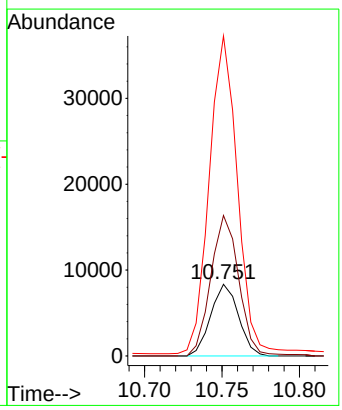


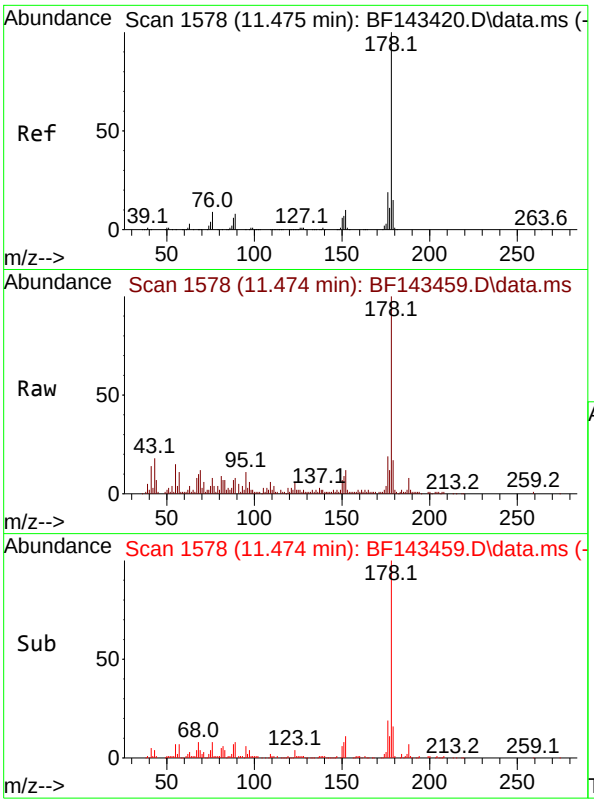


#67
4-Bromophenyl-phenylether
Concen: 2.875 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.241 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion:248 Resp: 10397

Ion	Ratio	Lower	Upper
248	100		
250	196.0	78.6	118.0#
141	446.5	54.9	82.3#



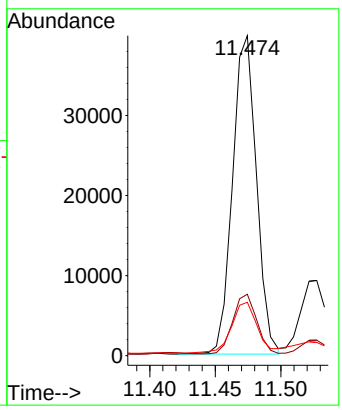


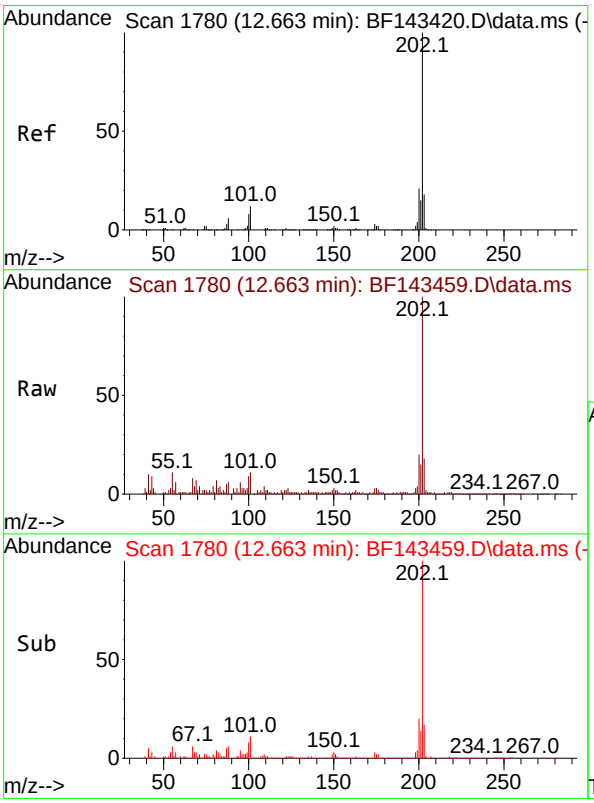
#71
Phenanthrene
Concen: 3.039 ng
RT: 11.474 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Tgt Ion:178 Resp: 50404

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	16.7	12.3	18.5

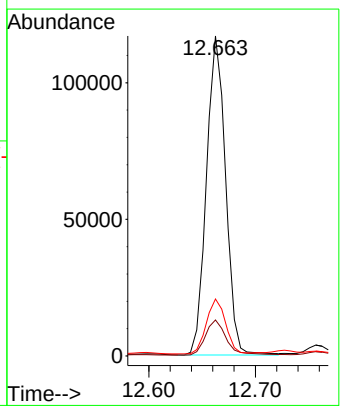


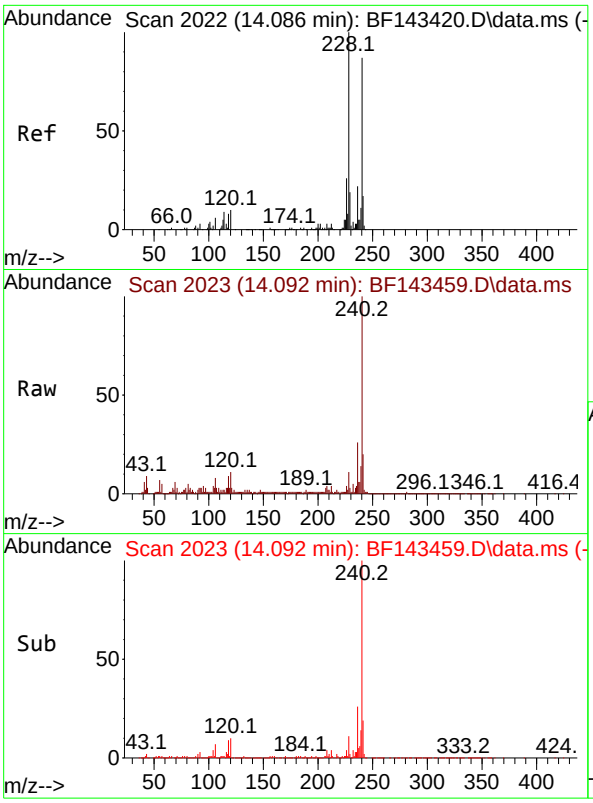


#75
Fluoranthene
Concen: 9.923 ng
RT: 12.663 min Scan# 1780
Delta R.T. -0.000 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion:202 Resp: 146224

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.5
203	17.8	0.0	37.5



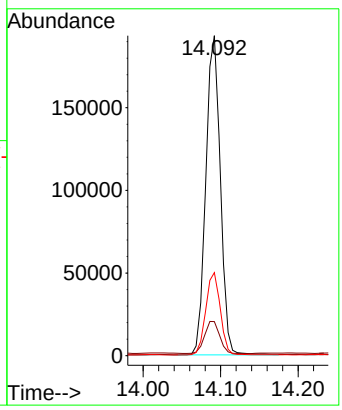


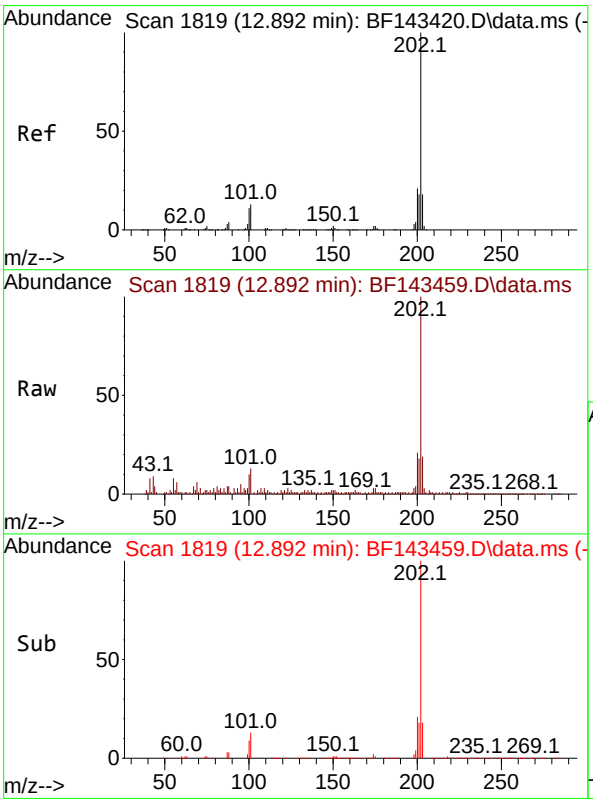
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Tgt Ion:240 Resp: 251302

Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.0	13.4
236	25.9	20.2	30.2

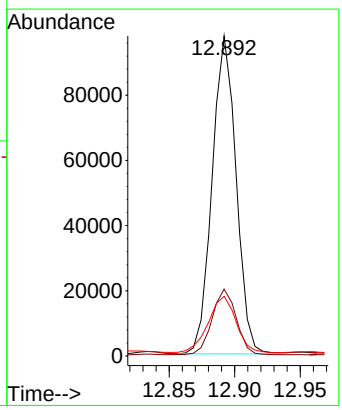


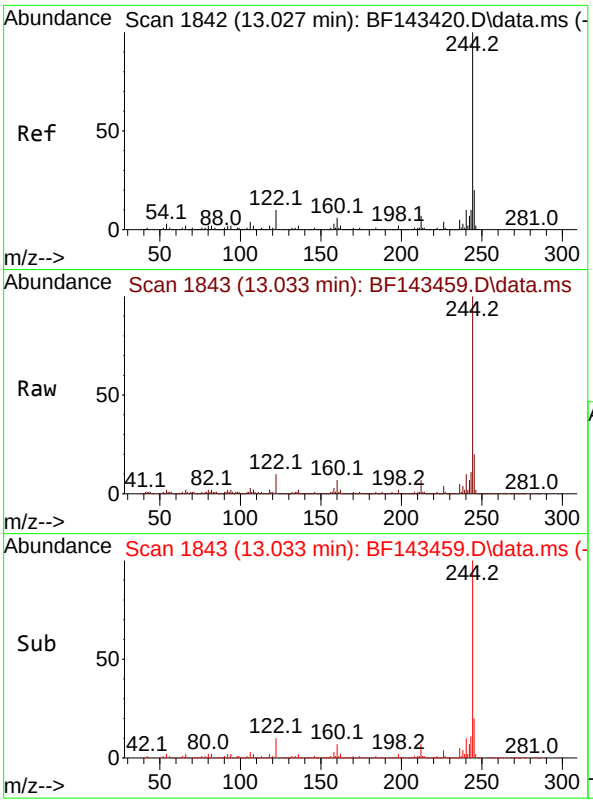


#78
Pyrene
Concen: 5.678 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion:202 Resp: 124021

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.1	25.7
203	18.6	14.2	21.2



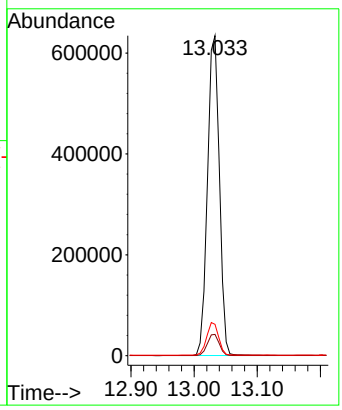


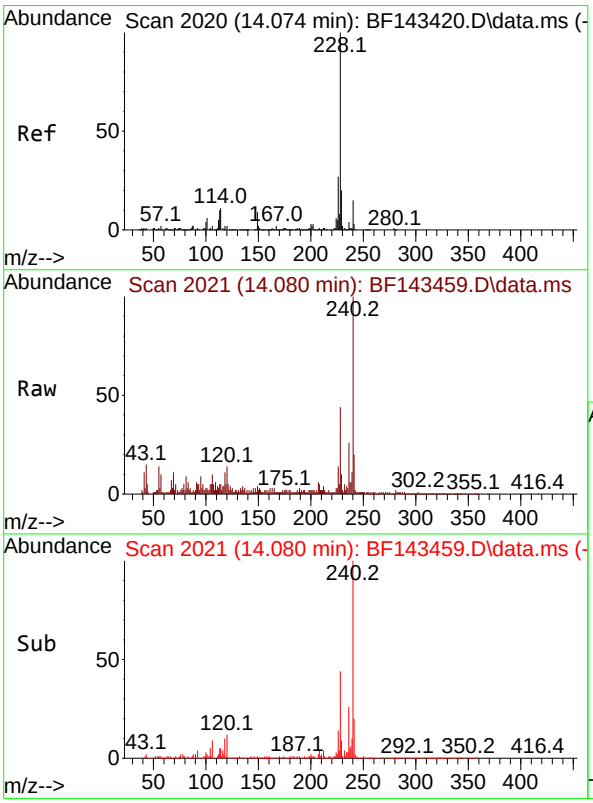
#79
Terphenyl-d14
Concen: 55.321 ng
RT: 13.033 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Tgt Ion:244 Resp: 827593

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	9.8	8.3	12.5

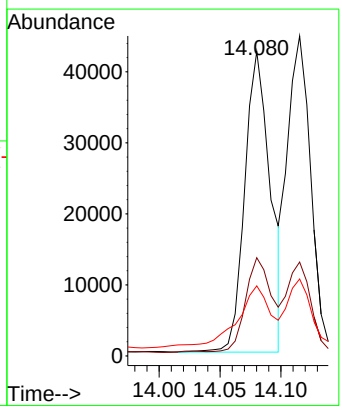


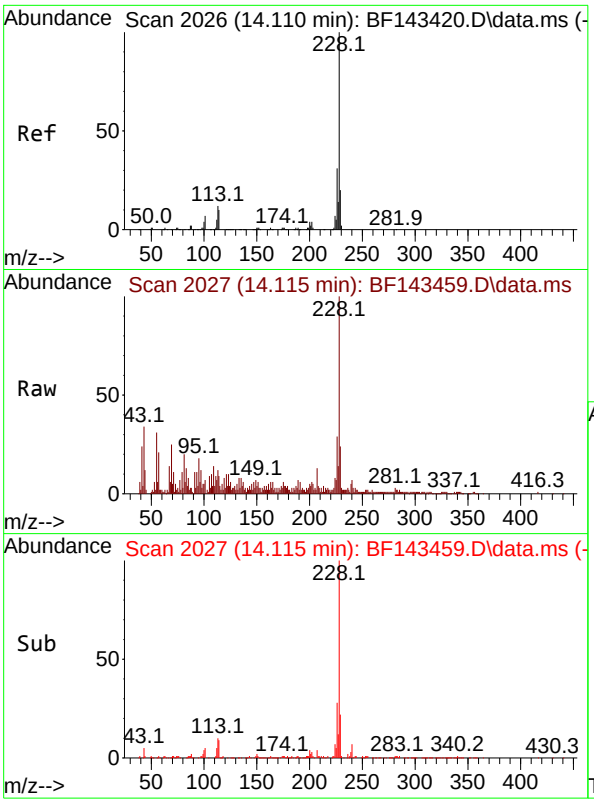


#81
Benzo(a)anthracene
Concen: 3.875 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion:228 Resp: 61995

Ion	Ratio	Lower	Upper
228	100		
226	32.3	21.5	32.3#
229	23.0	15.7	23.5



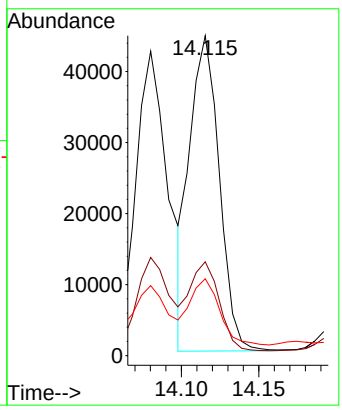


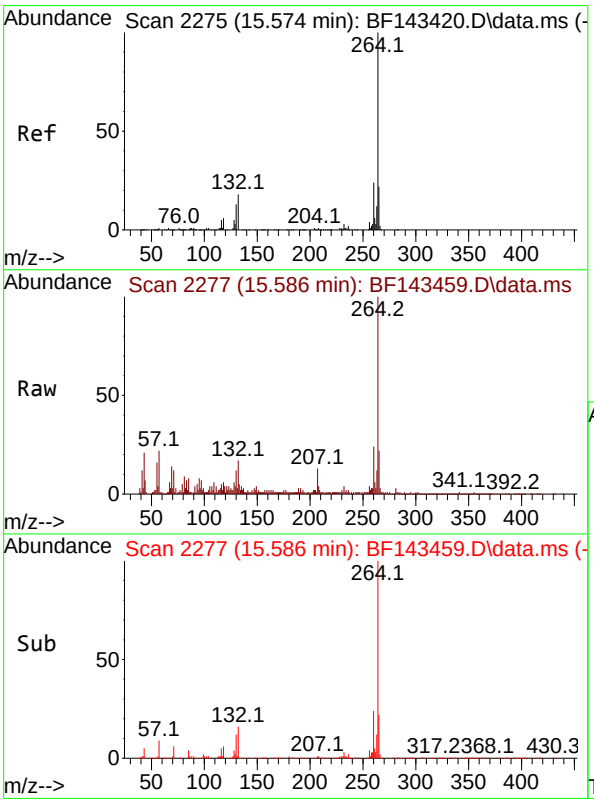
#83
Chrysene
Concen: 3.984 ng
RT: 14.115 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Tgt Ion:228 Resp: 58931

Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.3	36.5
229	24.0	16.1	24.1

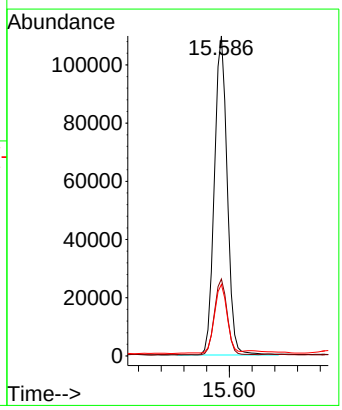


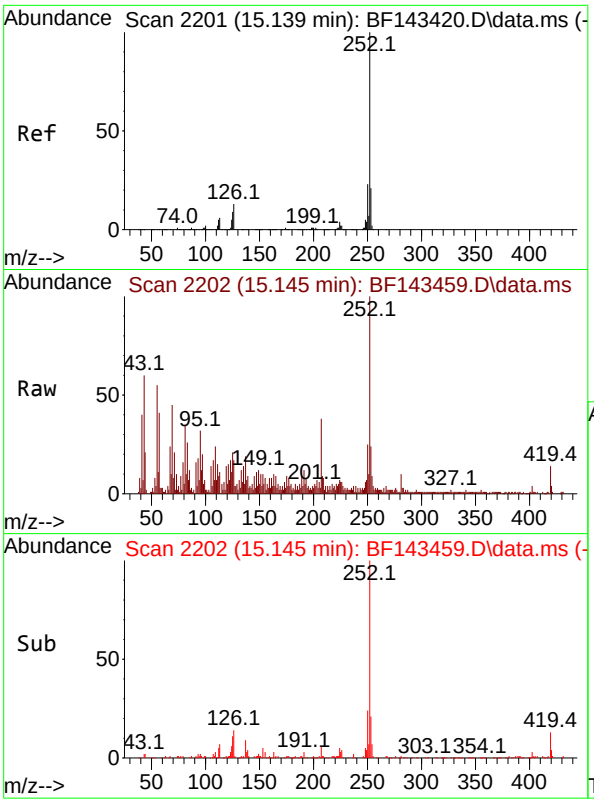


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.586 min Scan# 2277
Delta R.T. 0.012 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion:264 Resp: 171573

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.8	28.2
265	22.3	17.4	26.0



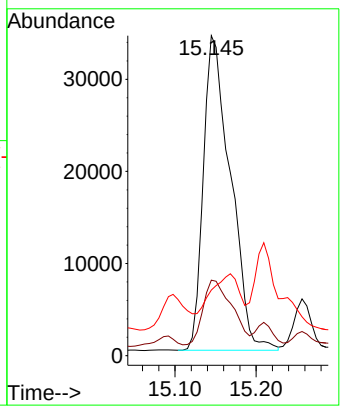


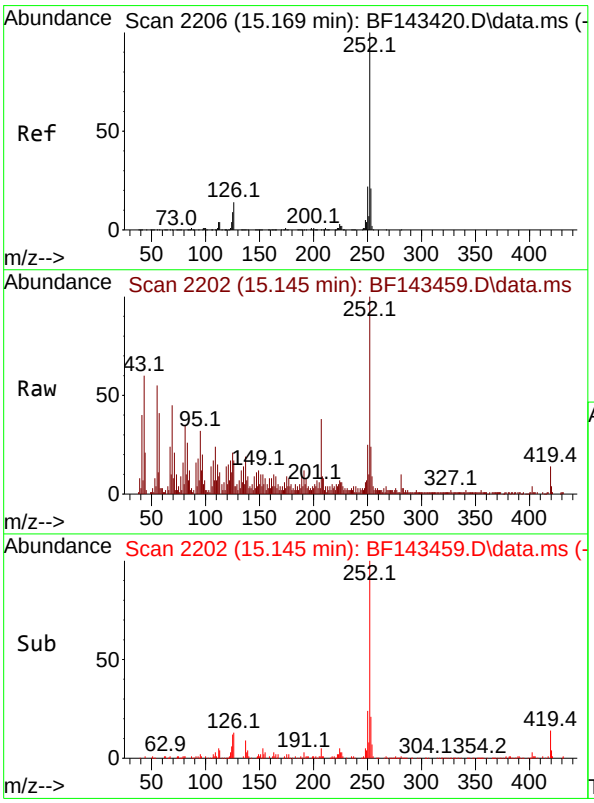
#88
Benzo(b)fluoranthene
Concen: 8.630 ng
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Tgt Ion:252 Resp: 79359

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	20.5	7.5	11.3#

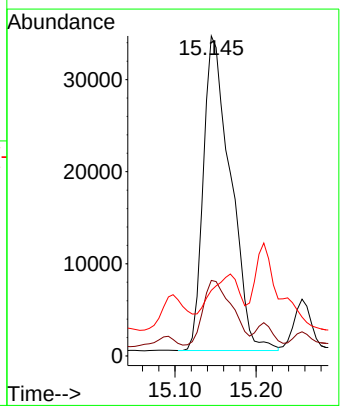


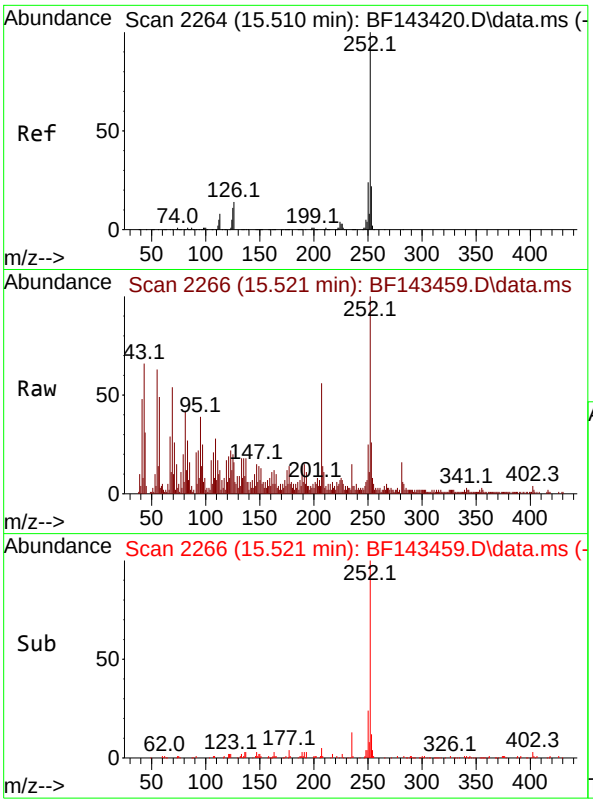


#89
Benzo(k)fluoranthene
Concen: 8.750 ng
RT: 15.145 min Scan# 2202
Delta R.T. -0.024 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion:252 Resp: 79359

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.2	25.8
125	20.5	7.4	11.2#



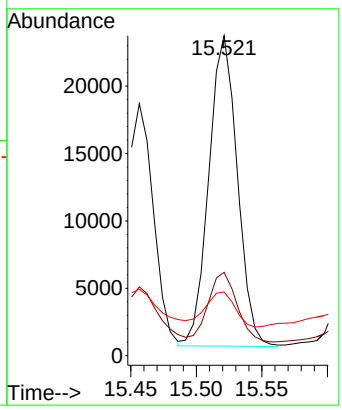


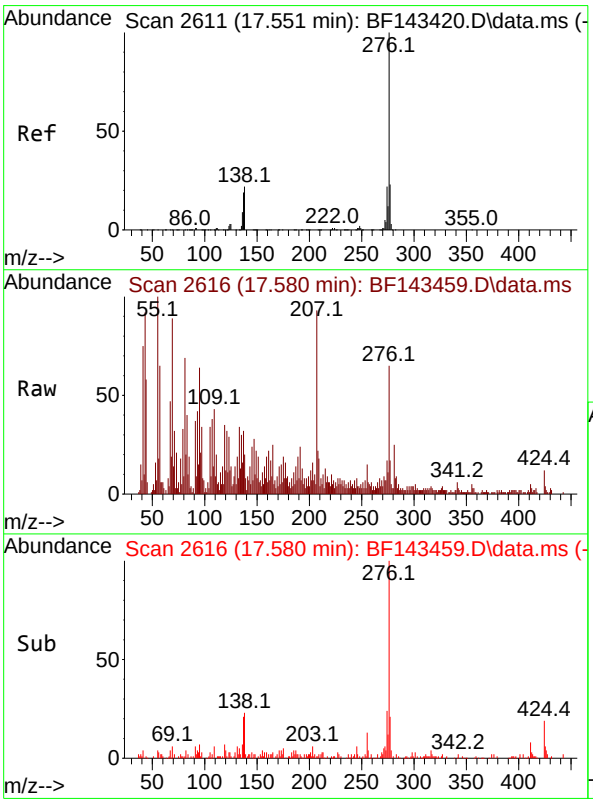
#90
Benzo(a)pyrene
Concen: 3.980 ng
RT: 15.521 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Tgt Ion:252 Resp: 34862

Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.4	26.2
125	19.9	8.6	12.8#





#92
Benzo(g,h,i)perylene
Concen: 2.408 ng
RT: 17.580 min Scan# 2616
Delta R.T. 0.029 min
Lab File: BF143459.D
Acq: 19 Aug 2025 16:24

Tgt Ion:276 Resp: 24858

Ion	Ratio	Lower	Upper
276	100		
277	26.2	18.7	28.1
138	31.5	17.5	26.3#